













Seventeenth Academic Year

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ANNUAL REGISTER

of the

UNITED STATES NAVAL ACADEMY,

at

ANNAPOLIS, MD.,

for

THE ACADEMIC YEAR 1866-67.









1867  
NAVAL SCHOOL.

FOUNDED OCTOBER 10. 1845.

JAMES K. POLK, *President of the United States.*

GEORGE BANCROFT, *Secretary of the Navy.*

The Naval School was reorganized on the 1st July, 1850, under the title of Naval Academy, as a school of theoretical and practical science. At that time the course of instruction was materially enlarged, and the institution was placed under the supervision of the Chief of the Bureau of Ordnance and Hydrography.

In October, 1851, the present course of instruction of four years was adopted.

Since the establishment of the Bureau of Navigation (July 5, 1862) the Academy has been under its supervision.

BOARD OF VISITORS.

The following named gentlemen were invited by the Hon. Secretary of the Navy to attend the examination of the Midshipmen of the Naval Academy in May, 1866:

Rear-Admiral JOHN A. DAHLGREN, U. S. N., *President.*

Captain WILLIAM M. WALKER, U. S. N.

Surgeon DAVID HARLAN, U. S. N.

Commander DANIEL AMMEN, U. S. N.

Chief Engineer J. W. KING, U. S. N.

Chief Engineer W. H. SHOCK, U. S. N.

J. Y. SCAMMON, Esq., Illinois.

Rev. JONATHAN EDWARDS, D. D., Pennsylvania.

CHARLES F. DUNBAR, Esq., Massachusetts.

Dr. R. P. MITCHELL, Tennessee.

\*Rev. H. BUSHNELL, D. D.

\*Rev. E. A. WASHBURN, D. D.

EXTRACT FROM THE REGULATIONS OF THE NAVAL ACADEMY.

SEC. 8.—The Secretary of the Navy will, when expedient, annually invite a Board of Visitors, such as he may judge well qualified, to attend at the Academy during the June examination, for the purpose of witnessing the examination of the several classes, and of examining into the state of the police, discipline, and general management of the institution: the result of which examination they will report to the Secretary of the Navy.

ACADEMIC BOARD.

DAVID D. PORTEI, Vice-Admiral, *President.*

STEPHEN B. LUCE, Commander.....	<i>Commandant of Midshipmen, Head of Department of Seamanship, Gunnery, Naval and Infantry Tactics, &amp;c.</i>
WILLIAM W. W. WOOD, Chief Engineer...	<i>Head of Department of Steam Engineering.</i>
HENRY H. LOCKWOOD, Professor.....	<i>Head of Department of Natural and Experimental Philosophy.</i>
WILLIAM H. WILLCOX, Professor.....	<i>Head of Department of Mathematics.</i>
OSCAR F. STANTON, Lieut. Com'r.....	<i>In Executive Duty.</i>
BUSHROD B. TAYLOR, Lieut. Com'r.....	<i>In Executive Duty.</i>
RICHARD W. MEADE, Lieut. Com'r.....	<i>In charge Department of Seamanship and Naval Tactics.</i>
JOSEPH N. MILLER, Lieut. Com'r.....	<i>Head of Department of Ethics and English Studies.</i>
MONTGOMERY SICARD, Lieut. Com'r.....	<i>In charge Department of Gunnery.</i>
ROBERT L. PHYTHIAN, Lieut. Com'r.....	<i>Head of Department of Astronomy, Navigation, and Surveying.</i>
EDWARD A. ROGET, Professor.....	<i>Head of Department of Spanish.</i>
EDWARD SEAGER, Professor.....	<i>Head of Department of Drawing.</i>
LEOPOLD V. DOVILLIERS, Professor.....	<i>Head of Department of French.</i>

\*Not present.

# OFFICERS OF THE NAVAL ACADEMY.

Vice-Admiral DAVID D. PORTER, *Superintendent.*  
 Commander JOHN G. WALKER, *Asst. to Superintendent.*

## ACADEMIC STAFF.

Commander STEPHEN B. LUCE.....	Commandant of Midshipmen, Head of Department of Seamanship, Gunnery, Naval and Infantry Tactics, &c.
Lieut. Com'r R. W. MEADE.....	Assistant to Commandant of Midshipmen, and Senior Instructor of Seamanship and Naval Tactics.
Lieut. Com'r T. O. SELFDRIDGE.....	Assistant to Commandant of Midshipmen, and Assistant Instructor of Seamanship and Naval Tactics.
Lieut. Com'r JOHN S. BARNES.....	Assistant to Commandant of Midshipmen, and Assistant Instructor of Seamanship and Naval Tactics.
Lieut. Com'r ANTOINE R. MCNAIR.....	Assistant to Commandant of Midshipmen, and Assistant Instructor of Seamanship and Naval Tactics.
Lieut. Com'r MERRILL MILLER.....	Assistant to Commandant of Midshipmen, and Assistant Instructor of Seamanship and Naval Tactics.
Lieut. Com'r MONTGOMERY SICARD.....	Assistant to Commandant of Midshipmen, and Senior Instructor of Naval Gunnery, Infantry Tactics, and Howitzer Drill.
Lieut. Com'r EDMUND O. MATHEWS.....	Assistant to Commandant of Midshipmen, and Assistant Instructor of Naval Gunnery, Infantry Tactics, and Howitzer Drill.
Lieut. Com'r ROBERT F. BRADFORD.....	Assistant to Commandant of Midshipmen, and Assistant Instructor of Naval Gunnery, Infantry Tactics, and Howitzer Drill.
Lieut. Com'r THEODORE F. KANE.....	Assistant to Commandant of Midshipmen, and Assistant Instructor of Naval Gunnery, Infantry Tactics, and Howitzer Drill.
Lieut. Com'r SIMEON P. GILLET.....	Assistant to Commandant of Midshipmen, and Assistant Instructor of Naval Gunnery, Infantry Tactics, and Howitzer Drill.
Lieut. Com'r ROBERT F. R. LEWIS.....	Assistant to Commandant of Midshipmen, in Executive Duty in charge of Grounds, &c.
Lieut. Com'r JOHN WATTERS.....	Assistant to Commandant of Midshipmen, in Executive Duty in charge of Ships.
Lieut. Com'r OSCAR F. STANTON.....	Assistant to Commandant of Midshipmen, in Executive Duty.
Lieut. Com'r BUSHROD B. TAYLOR.....	Assistant to Commandant of Midshipmen, in Executive Duty.
Lieut. Com'r RODERICK S. MCCOOK.....	Assistant to Commandant of Midshipmen, in Executive Duty.
Lieut. Com'r WINFIELD S. SCHLEY.....	Assistant to Commandant of Midshipmen, in Executive Duty.
Lieut. Com'r THOMAS H. EASTMAN.....	Assistant to Commandant of Midshipmen, in Executive Duty and in charge of School Ship "Constitution."
Lieut. Com'r RUSH R. WALLACE.....	Assistant to Commandant of Midshipmen, in Executive Duty School Ship "Constitution."
Lieut. Com'r BEATTY P. SMITH.....	Assistant to Commandant of Midshipmen, in Executive Duty School Ship "Constitution."
Lieut. Com'r EDWIN T. WOODWARD.....	Assistant to Commandant of Midshipmen, in Executive Duty School Ship "Constitution."
WILLIAM H. WILLCOX, Professor.....	Head of Department of Mathematics.
EDWARD P. LULL, Lieut. Com'r.....	Acting Assistant Professor of Mathematics.
SAMUEL D. GREENE, Lieut. Com'r.....	Acting Assistant Professor of Mathematics.
ALEXANDER H. MCCORMICK, Lieut. Com'r.....	Acting Assistant Professor of Mathematics.
HENRY L. JOHNSON, Lieut. Com'r.....	Acting Assistant Professor of Mathematics.
CHARLES E. AMES.....	Assistant Professor of Mathematics.
WILLIAM W. JOHNSON.....	Assistant Professor of Mathematics.
CHARLES F. JOHNSON.....	Assistant Professor of Mathematics.
SAMUEL P. LANGLEY.....	Assistant Professor of Mathematics.
WILLIAM W. W. WOOD, Chief Eng'r.....	Head of Department of Steam Engineering.
EBEN HOYT, Chief Eng'r.....	Assistant Instructor in Department of Steam Engineering.
THOMAS M. DUKEHART, 1st Ass't Eng'r.....	Assistant Instructor in Department of Steam Engineering.
H. C. McILVAINE, 1st Asst. Eng'r.....	Assistant Instructor in Department of Steam Engineering.
JOHN D. VAN BUREN, 1st Ass't Eng'r.....	Assistant Instructor in Department of Steam Engineering.
WILLIAM H. G. WEST, 1st Ass't Eng'r.....	Assistant Instructor in Department of Steam Engineering.

GEORGE J. BURNAP, 1st Ass't Eng'r.....	Assistant Instructor in Department of Steam Engineering.
JOHN T. HAWKINS, 1st Ass't Eng'r.....	Assistant Instructor in Department of Steam Engineering.
THOMAS W. RAE, 2d Ass't Eng'r.....	Assistant Instructor in Department of Steam Engineering.
ASMUS D. LEAVITT, Jr., 2d Ass't Eng'r.....	Assistant Instructor in Department of Steam Engineering.
WILLIAM H. HARRIS, 2d Ass't Eng'r.....	Assistant Instructor in Department of Steam Engineering.
C. GOWING, 2d Ass't Eng'r.....	Assistant Instructor in Department of Steam Engineering.
JOSEPH L. SMITH, 2d Ass't Eng'r.....	Assistant Instructor in Department of Steam Engineering.
THEODORE COOPER, 2d Ass't Eng'r.....	Assistant Instructor in Department of Steam Engineering.
JOSEPH FUCHS.....	Assistant Professor of Drawing.
JOSEPH L. PHYTHIAN, Lieut. Com'r.....	Head of Department of Astronomy, Navigation, and Surveying.
AUGUSTUS P. COOKE, Lieut. Com'r.....	Acting, Assistant Professor of Astronomy, Navigation, and Surveying.
JOSEPH H. FARQUHAR.....	Acting Assistant Professor of Astronomy, Navigation, and Surveying.
GEORGE P. RYAN.....	Acting Assistant Professor of Astronomy, Navigation, and Surveying.
CHARLES J. WHITE.....	Assistant Professor of Astronomy, Navigation, and Surveying.
HENRY H. LOCKWOOD, Professor.....	Head of Department of Natural and Experimental Philosophy.
JOHN H. THURSTON, 1st Ass't Eng'r.....	Acting Assistant Professor of Natural and Experimental Philosophy.
CHARLES H. BUEL, 2d Ass't Eng'r.....	Acting Assistant Professor of Natural and Experimental Philosophy.
JOHN PEMBERTON, 2d Ass't Eng'r.....	Acting Assistant Professor of Natural and Experimental Philosophy.
JOHN M. RICE.....	Assistant Professor of Natural and Experimental Philosophy.
JOSEPH N. MILLER, Lieut. Com'r.....	Head of Department of Ethics and English Studies.
THOMAS KARNEY.....	Assistant Professor of Ethics and English Studies.
HENRY S. MACKINTOSH.....	Assistant Professor of Ethics and English Studies.
WILLIAM W. FAY.....	Assistant Professor of Ethics and English Studies.
JOSEPH E. DICKSON.....	Assistant Professor of Ethics and English Studies.
JOSEPH LITTLE.....	Assistant Professor of Ethics and English Studies.
JOSEPH V. DOVILLIERS, Professor.....	Head of Department of French.
JOSEPH V. S. COURCELLE.....	Assistant Professor of French.
JOSEPH PRUD'HOMME.....	Assistant Professor of French.
JOSEPH DOVILLIERS.....	Assistant Professor of French.
JOSEPH LEROUX.....	Assistant Professor of French.
JOSEPH MAURICE.....	Assistant Professor of French.
JOSEPH A. ROGET, Professor.....	Head of Department of Spanish.
JOSEPH M. MONSANTO.....	Assistant Professor of Spanish.
JOSEPH SEAGER, Professor.....	Head of Department of Drawing.
HENRY HITCHINGS.....	Assistant Professor of Drawing.
JOSEPH BONNAFOUS.....	Sword Master.
THEODORE MAURICE.....	Assistant Sword Master.
JOSEPH J. CORBESIER.....	Assistant Sword Master.

## OFFICERS NOT ATTACHED TO THE ACADEMIC STAFF.

JOSEPH HARLAN.....	Surgeon.
JOHN S. RAMSAY.....	Assistant Surgeon.
WILLIAM F. TERRY.....	Assistant Surgeon.
JOHN S. GULICK.....	Paymaster.
JOHN H. STEWART.....	Chaplain, (to the Ships.)
GEORGE W. SMITH.....	Chaplain, (to the Academy.)
JAMES M. ALDEN.....	Vice-Admiral's Secretary.
OSWELL WESTON.....	Assistant Librarian.
CHARLES SWANN.....	Commissary.
CHARLES M. CHASE.....	Secretary.
CHARLES P. PORTER.....	Assistant Secretary.
JOHN D. ROBB.....	First Clerk to Superintendent.
HENRY A. ROGET.....	Second Clerk to Superintendent.
FRANCIS HAMILTON.....	Clerk to Commandant of Midshipmen.
JOSEPH H. HAVENS.....	Clerk to Paymaster.
JOSEPH BELLIS.....	Storekeeper.





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MIDSHIPMEN

ON PROBATION AT THE NAVAL ACADEMY.

ARRANGED

IN ORDER OF MERIT IN THEIR RESPECTIVE CLASSES,

AS DETERMINED AT THE

GENERAL EXAMINATION IN JUNE, 1866,

TOGETHER WITH

THE MIDSHIPMEN ADMITTED IN JULY AND SEPTEMBER, 1866, FORMING  
THE FOURTH CLASS OF 1866-'67.

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#### NOTE.

Midshipmen whose names are marked thus \* are the five most distinguished in their respective classes.

Those marked thus † were found deficient, but were allowed to continue in their classes on condition of passing at a re-examination.

Those marked thus ‡ were found deficient, and turned back to recommence the studies of their respective classes.

Those marked thus § were found deficient, and recommended for discharge.



## MIDSHIPMEN ON PROBATION AT THE NAVAL ACADEMY.

First Class—Graduating Class of 1866—74 Members.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—														Number on merit roll for year.	Sea service in Practice Ship.	
						Seamanship.	Naval tactics.	Gunnery.	Fencing.	Steam Engineering.	Navigation.	Physics.	Law.	French.	Spanish.	Demerits.	Conduct.	Number on merit roll for year.	Months.		Days.	
				Years.	Months.																	
1	Samuel N. Kane.....	R. I....	Sep. 20, 1862	16	2	3	4	1	3	7	3	9	2	3	52	22	1	9	19			
2	Albert L. Sprague.....	N. Y....	Apr. 11, 1862	18	0	12	7	5	10	2	15	8	8	21	47	15	4	11	19			
3	Washburn Maynard.....	Tenn....	Oct. 6, 1862	16	10	10	34	13	38	6	4	3	18	25	20	1	8	9	19			
4	Richard M. Cutts.....	D. C....	Sep. 22, 1862	16	0	15	7	9	13	16	8	13	11	37	53	18	10	9	19			
5	Henry W. Lyon.....	Mass....	Oct. 7, 1862	17	7	4	1	7	8	4	11	4	21	11	45	13	3	2	19			
6	James H. Dayton.....	Ind....	Sep. 27, 1862	15	11	16	16	17	26	13	1	10	5	14	38	10	5	9	19			
7	Asa Walker.....	N. H....	Nov. 21, 1862	16	10	20	39	6	33	3	9	1	17	9	60	25	6	9	19			
8	Morris R. S. Mackenzie.	N. J....	Sep. 27, 1862	14	4	1	2	3	37	26	2	6	19	2	185	66	2	9	19			
9	George M. Totten.....	N. J....	Sep. 27, 1862	15	6	32	10	31	27	12	18	6	7	1	102	41	12	8	23			
10	Charles S. Sperry.....	Conn....	Sep. 25, 1862	15	0	14	6	4	55	19	12	2	9	32	108	45	9	9	19			
11	Frank Courtis.....	Cal....	Sep. 24, 1862	18	3	13	55	18	9	22	16	19	13	15	42	11	13	9	19			
12	William Watts.....	N. Y....	Apr. 10, 1862	17	11	6	3	29	17	40	42	30	10	6	54	19	14	11	19			
13	William W. Reisinger.....	Md....	Apr. 21, 1862	18	2	43	18	44	16	5	7	15	4	16	144	57	16	11	19			
14	John C. Rich.....	Del....	Sep. 23, 1862	16	8	22	47	16	11	9	41	20	14	24	21	2	17	9	19			
15	William T. Burwell.....	Mo....	Sep. 29, 1862	16	2	56	69	36	5	37	27	26	29	17	165	61	37	9	19			
16	John J. Hunker.....	Ohio....	Apr. 18, 1862	17	11	24	60	35	61	8	31	15	20	28	138	55	22	11	19			
17	John C. Soley.....	Mass....	Sep. 20, 1862	16	11	18	9	22	23	49	32	40	38	12	283	73	23	9	19			
18	Henry C. Wisner.....	Mich....	Apr. 17, 1862	17	9	39	43	43	18	17	21	21	27	31	95	36	26	11	19			
19	William M. Little.....	N. Y....	Mar. 11, 1862	16	6	34	50	33	4	10	29	23	22	5	26	5	20	9	19			
20	Maunsell B. Field.....	N. Y....	Feb. 25, 1862	15	5	27	21	21	12	50	28	14	15	8	37	9	18	8	14			
21	Franklin Hanford.....	N. Y....	Nov. 29, 1862	18	0	55	23	37	32	20	6	38	30	10	34	7	25	8	28			
22	Douglas Roben.....	Ohio....	Sep. 23, 1862	16	4	21	73	54	73	73	12	67	11	21	3	56	9	19				
23	Robert N. Griffen.....	Penn....	Jan. 21, 1862	17	4	48	28	29	15	32	63	29	33	38	92	34	40	10	14			
24	George A. Baldy.....	Mich....	Sep. 23, 1862	14	2	9	12	15	59	21	39	47	48	27	246	72	21	9	19			
25	Frederic W. Crocker.....	Mass....	Sep. 26, 1862	16	6	64	49	26	58	36	22	11	24	26	90	33	32	9	19			
26	Robert M. Berry.....	Ky....	Jan. 31, 1862	16	0	17	22	27	42	62	51	21	63	30	102	39	34	10	9			
27	David A. Stewart.....	Mo....	Oct. 21, 1862	15	1	45	27	49	31	29	17	39	32	18	60	24	29	9	19			
28	Andrew A. Blair.....	Mo....	Nov. 20, 1862	14	2	33	52	32	6	27	10	25	39	3	44	12	27	8	28			
29	Samuel W. Very.....	Mass....	Feb. 23, 1863	16	10	5	11	19	70	1	24	26	56	2	86	31	15	8	28			
30	Daniel W. Davis.....	Penn....	Sep. 28, 1861	15	1	37	61	45	30	70	19	50	54	34	244	71	42	11	19			
31	Theodore S. Williams.....	Iowa....	Sep. 26, 1862	16	8	44	14	14	36	43	14	5	16	6	241	70	24	9	19			
32	Charles H. Judd.....	N. Y....	Sep. 23, 1862	16	4	47	63	51	62	30	25	32	55	20	127	51	39	9	19			
33	Ransome B. Peck.....	Mo....	Nov. 20, 1861	18	0	61	66	57	45	41	35	28	34	41	72	29	48	10	20			
34	Thomas C. Torrell.....	Iowa....	Sep. 20, 1862	15	6	53	19	20	48	51	26	43	26	33	171	63	35	9	19			
35	George A. Bicknell.....	Iowa....	Dec. 2, 1861	15	7	42	24	28	52	35	13	24	1	7	59	23	19	10	14			
36	John M. Taft.....	R. I....	Feb. 25, 1863	16	4	31	20	45	65	18	45	45	36	13	102	40	30	8	28			
37	Samuel F. Clarkson.....	N. Y....	Sep. 20, 1862	16	11	52	33	48	39	66	20	34	23	36	106	42	41	9	19			
38	Murray S. Day.....	Mass....	Sep. 24, 1861	16	5	38	42	53	19	38	43	67	70	39	34	6	45	10	26			
39	Henry N. Manney.....	Minn....	Sep. 24, 1861	17	8	8	13	10	50	14	36	18	3	22	48	16	11	10	29			
40	Horatio R. Wilson.....	N. J....	Apr. 17, 1862	14	7	19	56	23	47	60	23	42	37	13	26	4	33	11	19			
41	Frederic McCormick.....	Md....	Sep. 25, 1861	16	10	2	8	2	31	39	5	15	6	29	80	30	7	11	19			
42	Clarence L. Phillips.....	Penn....	Feb. 21, 1863	16	6	35	30	11	51	72	44	48	46	4	241	69	36	8	28			
43	Jerome E. Morse.....	Mass....	Oct. 11, 1862	16	8	65	32	38	56	34	49	36	44	16	191	67	49	8	28			
44	Chapman C. Todd.....	Ky....	Oct. 9, 1861	13	6	11	15	24	67	58	46	73	49	23	211	68	31	10	14			
45	Rufus Waterman.....	R. I....	Sep. 25, 1861	16	11	25	59	52	1	52	69	69	53	40	92	35	53	11	19			
46	George A. Norris.....	Maine....	Sep. 27, 1862	16	9	46	41	41	2	25	68	35	43	12	88	32	44	9	19			
47	John R. Phelan.....	Penn....	Apr. 17, 1862	15	8	50	46	25	25	42	47	62	28	15	99	38	43	11	19			
48	William I. Moore.....	Va....	Apr. 12, 1862	17	10	40	29	60	14	11	70	66	51	19	107	43	50	11	19			
49	William H. Parker, jr.....	Va....	Apr. 17, 1862	14	0	7	5	8	44	65	50	70	66	17	117	48	38	11	19			
50	Benjamin S. Richards.....	Penn....	Oct. 22, 1861	16	8	63	54	66	41	15	38	41	31	1	48	17	47	10	29			
51	Isaac T. Morris.....	N. Y....	Sep. 20, 1860	14	10	23	38	40	28	31	30	33	35	35	46	14	28	8	25			
52	Hugh W. McKee.....	Ky....	Sep. 25, 1861	17	5	28	37	55	29	24	55	63	58	28	57	21	46	10	29			
53	Frank Turnbull.....	N. M....	Sep. 20, 1861	15	10	30	67	47	22	33	66	60	61	14	114	47	54	10	14			
54	John G. Talbot.....	Ky....	Apr. 15, 1862	17	8	71	35	68	21	55	53	52	25	5	140	56	62	11	19			
55	Joseph N. Hemphill.....	Ohio....	Sep. 27, 1862	15	3	51	51	59	54	28	52	53	69	26	112	46	63	9	19			
56	Abraham B. H. Lillie.....	N. Y....	Sep. 24, 1862	17	0	58	40	63	63	47	33	51	68	9	129	53	58	9	19			
57	William T. Swinburn.....	R. I....	Sep. 29, 1862	15	1	60	71	72	64	45	40	70	41	18	161	60	66	8	28			
58	Edward Woodman.....	N. H....	Sep. 31, 1862	15	0	66	68	61	49	57	34	37	45	25	62	26	64	9	19			
59	Abiel B. Carter.....	N. J....	Sep. 24, 1861	15	5	69	57	56	24	71	72	58	12	19	97	37	65	8	14			
60	Henry Whelen.....	Iowa....	Sep. 23, 1862	14	1	49	31	65	35	46	37	55	60	4	71	28	52	4	19			
61	Louis V. Housel.....	Penn....	Feb. 14, 1862	17	7	63	65	70	6	69	58	65	42	21	63	27	71	11	19			
62	Emmet McCormack.....	Ohio....	Apr. 17, 1862	16	6	51	48	62	68	48	54	56	59	8	118	49	61	11	19			

## First Class—Continued.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—																No. on merit roll for the year.	Sea service in Practice Ship.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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a Not examined; sick during academic year.

## Second Class—94 Members—1866.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	ORDER OF MERIT IN—																Sea service in Practice Ship.
				Age at date of admission.		Seamanship.	Gunmery.	Fencing.	Mathematics.	Steam Engineering.	Astronomy.	Surveying.	Mechanics.	Moral Science.	French.	No. of Demerits.	Conduct.	Months.	Days.	
				Years.	Months.															
*1	Benjamin F. Tilley.....	R. I....	Sep. 22, 1863	15	6	31	5	18	3	8	3	7	3	9	5	67	17	5	19	
*2	Frederick Collins.....	Maine.	July 22, 1863	16	3	1	2	61	25	2	2	14	10	1	43	88	26	5	19	
*3	Sidney A. Simons.....	N. Y....	Sep. 22, 1863	16	11	25	14	16	6	20	5	11	2	11	32	17	4	5	19	
*4	Harry Knox.....	Ohio	Mar. 2, 1863	14	8	15	23	71	1	50	1	1	1	14	6	86	21	9	19	
*5	Joseph L. Stickney.....	Ill....	Sep. 25, 1862	14	2	6	4	29	18	4	7	19	18	3	7	223	77	8	28	
6	William B. H. Frailey.....	S. of off.	July 22, 1863	15	0	16	8	20	4	27	13	12	6	66	10	119	38	5	19	
7	Cornelius R. Meeker.....	Wis....	Sep. 29, 1863	15	6	7	10	25	28	16	14	2	14	65	17	102	31	5	19	
8	William M. Paul.....	Mass...	Sep. 23, 1863	17	1	11	9	65	26	7	29	16	21	60	4	110	33	5	19	
9	Clifford H. West.....	N. Y....	Sep. 21, 1863	16	10	46	6	52	22	10	16	32	29	5	12	85	20	5	19	
10	Charles Belknap.....	N. Y....	July 20, 1864	17	11	20	16	36	8	35	22	60	12	13	21	111	35	5	19	
11	Lewis D. Webster.....	Ill....	Sep. 25, 1863	16	3	8	19	23	17	19	18	30	17	29	16	178	65	5	19	
12	John P. Merrell.....	Mich...	July 20, 1863	16	11	10	13	72	14	14	23	6	8	27	31	267	85	5	19	
13	Eugene H. C. Leutze.....	D. C....	Mar. 4, 1863	15	3	13	25	82	11	46	21	35	7	21	37	61	16	8	29	
14	George H. Church.....	N. J....	Feb. 25, 1863	16	8	38	18	12	34	6	24	28	34	2	26	69	18	8	28	
15	William H. Jaques.....	N. J....	Sep. 29, 1863	14	9	29	41	68	10	23	10	12	13	37	33	75	19	5	19	
16	Fernando P. Gilmore.....	Ohio...	Feb. 28, 1863	15	6	36	50	28	16	3	8	13	11	2	44	125	41	8	28	
17	Joseph G. Eaton.....	Mass...	Sep. 23, 1863	16	9	22	11	42	11	20	48	26	6	11	185	68	5	19		
18	Charles P. Shaw.....	Va....	Sep. 25, 1863	14	4	5	21	58	46	53	4	3	5	30	3	203	74	5	19	
19	Henry C. Hunter.....	N. Y....	Sep. 22, 1863	16	7	14	22	67	23	33	17	57	16	22	23	138	52	5	19	
20	Edward W. Henricks.....	Ind....	Sep. 23, 1863	15	1	51	45	15	15	41	15	4	19	4	41	98	30	5	19	
21	Albert R. Couden.....	Utah...	Sep. 26, 1863	16	11	55	17	84	2	60	9	8	4	16	42	205	75	5	19	
22	William S. McGunnegle.....	Mo....	Sep. 26, 1863	16	10	23	7	5	35	65	25	38	40	52	20	87	24	5	19	
23	George S. Davol.....	Mass...	Feb. 26, 1863	14	5	42	47	55	31	38	26	42	40	31	15	23	6	8	29	
24	Eugene D. F. Heald.....	Maine...	Sep. 29, 1863	16	0	57	26	81	36	5	32	56	43	24	36	128	44	5	19	
25	George G. Clay.....	Mich...	July 22, 1863	17	0	21	43	4	13	13	28	31	38	79	54	174	61	5	19	
26	Park Benjamin.....	N. Y....	Sep. 22, 1863	14	4	18	27	77	59	9	85	72	58	34	2	175	62	5	19	
27	Edwin C. Pendleton.....	S. of off.	Oct. 12, 1863	16	4	71	20	87	12	25	12	18	20	87	88	132	47	5	19	
28	Uriel Seabee.....	Mo....	July 23, 1863	15	5	41	73	54	7	40	6	5	9	90	56	166	60	6	4	
29	Frank W. Nichols.....	Mass...	Sep. 24, 1862	14	9	30	42	57	9	51	35	24	23	70	52	243	80	9	19	
30	John T. Sullivan.....	N. Y....	Oct. 8, 1862	16	6	35	29	51	37	45	65	33	55	62	30	110	33	9	19	
31	John F. Meigs.....	Penn...	Oct. 4, 1862	14	0	3	30	14	80	24	33	63	25	33	61	241	92	8	28	
32	George J. Mitchell.....	La....	Sep. 28, 1863	16	3	50	31	11	55	22	55	17	47	42	65	86	21	5	19	
33	Henry B. Mansfield.....	Mass...	Feb. 27, 1863	16	11	4	15	26	67	63	39	23	63	69	66	39	8	29		
34	John W. Hagenman.....	Penn...	July 21, 1863	16	9	85	84	22	5	21	11	15	15	55	53	176	74	5	19	
35	Edwin S. Jacob.....	Va....	Oct. 14, 1862	17	1	32	12	73	56	18	57	29	51	63	74	136	50	9	19	
36	Robert E. Carmody.....	N. Y....	Sep. 29, 1860	15	8	9	51	47	45	77	43	22	41	91	24	107	32	12	4	
37	Charles O. Allibone.....	N. J....	July 23, 1863	16	11	28	28	35	43	61	73	64	68	20	22	153	57	5	19	
38	George M. Williams.....	N. Y....	Sep. 25, 1863	16	6	52	38	60	19	57	19	83	33	82	58	127	43	5	19	
39	Frederic M. Wise.....	Md....	Sep. 23, 1862	17	5	24	34	6	49	58	81	79	77	15	1	194	72	9	19	
40	Edward W. Bridge.....	N. Y....	Sep. 21, 1863	16	4	65	33	38	54	42	49	52	53	61	46	56	13	5	19	
41	Jonathan M. Wainwright.....	At large	July 29, 1863	14	6	47	39	90	76	47	59	53	27	45	35	131	46	5	19	
42	Frederic M. Symonds.....	N. Y....	Sep. 25, 1862	16	4	82	52	24	20	59	45	49	42	54	55	40	9	8	29	
43	Frederic A. Howes.....	N. Y....	Sep. 22, 1863	16	11	19	89	44	48	91	50	27	57	41	18	19	5	5	19	
44	Edward P. Wood.....	Ohio...	Sep. 29, 1863	15	1	27	3	93	40	89	68	77	22	88	47	289	91	5	19	
45	Willie Swift.....	Conn...	Sep. 23, 1863	15	6	61	64	45	53	32	71	69	54	32	28	86	21	5	19	
46	Edward H. Gheen.....	Penn...	Sep. 24, 1862	16	9	45	77	34	58	37	44	44	39	26	80	56	13	8	29	
47	Arthur A. Boyd.....	N. Y....	Oct. 11, 1862	15	0	17	56	79	51	68	37	47	36	46	38	286	88	8	14	
48	Andrew Dunlap, jr.....	N. Y....	Apr. 23, 1862	17	6	26	24	32	32	30	64	82	73	84	83	44	11	8	14	
49	Charles E. Brown.....	Mass...	July 23, 1863	16	6	48	63	40	83	52	31	39	45	75	14	116	36	5	19	
50	Patrick T. Cunningham.....	Ill....	Sep. 24, 1863	14	11	77	37	13	33	48	52	78	24	72	64	213	76	5	19	
51	Albert Ross.....	Penn...	July 23, 1863	16	6	40	65	89	64	26	62	51	50	44	81	57	15	5	19	
52	James M. Miller.....	Mo....	Sep. 21, 1863	16	4	83	78	10	29	73	66	43	28	81	19	119	38	6	4	
53	Walton Goodwin.....	Me....	Feb. 26, 1863	16	10	74	36	83	44	72	61	26	35	7	90	132	47	8	29	
54	Jacob W. Miller.....	N. J....	Sep. 29, 1863	16	4	43	62	27	85	75	30	66	84	25	8	92	27	5	19	
55	John V. B. Bleeker.....	S. of off.	Oct. 9, 1863	16	2	81	59	46	57	34	34	10	70	80	25	156	58	5	19	
56	Richardson Clover.....	Mo....	July 29, 1863	17	0	84	85	62	63	12	56	55	61	50	50	32	7	5	19	
57	Wells L. Field.....	N. Y....	Nov. 20, 1862	16	10	70	52	49	52	44	54	20	62	36	68	138	52	8	29	
58	Harrison G. O. Colby.....	Mass...	Nov. 22, 1862	16	10	2	1	8	84	85	48	50	88	86	67	175	62	9	19	
59	Allan G. Paul.....	R. I....	Sep. 22, 1862	15	11	37	47	63	86	55	90	70	81	18	49	42	10	9	19	
60	Charles W. Christopher.....	Ohio...	Feb. 24, 1863	15	4	73	79	2	72	36	58	9	46	77	13	274	86	8	28	
61	Leavitt C. Logan.....	Ohio...	Feb. 28, 1863	17	1	12	35	69	90	74	76	88	49	73	75	87	24	8	29	
62	William Little.....	Penn...	Sep. 29, 1863	16	5	89	81	43	68	28	70	68	56	19	29	142	54	5	19	
63	Edward W. Very.....	W. T....	Feb. 20, 1863	15	6	33	67	30	61	82	69	67	31	51	48	243	80	9	19	
64	Conway H. Arnold.....	S. of off.	Sep. 29, 1863	14	10	75	66	3	82	29	83	71	60	10	27	247	82	5	19	
65	Frederic H. Paine.....	N. Y....	July 25, 1863	14	9	68	90	33	41	15	88	36	44	67	59	287	90	5	19	



## Second Class—Continued.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—														Sea service in Practice Ship.	
				Years.	Months.	Seamanship.	Gunnery.	Fencing.	Mathematics.	Steam Engineering.	Astronomy.	Surveying.	Mechanics.	Moral Science.	French.	No. of Demerits.	Conduct.				
																	Months.	Days.			
66	William S. Cowles .....	Conn.	July 21, 1863	17	0	53	55	64	47	49	67	84	85	38	39	190	70	5	19		
67	Hamilton Perkins .....	N. H.	Sep. 23, 1863	16	2	34	46	50	65	83	27	46	64	59	76	161	59	5	19		
68	Richard Rush .....	Penn.	Sep. 29, 1863	15	7	78	43	76	66	76	40	41	59	43	60	125	41	5	19		
69	Alfred Craven .....	N. Y.	July 23, 1863	16	10	49	39	7	73	71	38	40	83	58	72	129	45	5	19		
70	Edward P. McClellan .....	N. Y.	Sep. 24, 1863	16	3	85	75	86	38	62	46	73	67	49	34	142	54	5	19		
71	Frederic W. Greenleaf .....	Minn.	July 29, 1863	16	3	62	69	39	60	56	60	45	74	35	78	93	28	5	19		
72	William D. Nicholson .....	N. Y.	Oct. 3, 1862	15	9	26	32	17	77	67	89	80	82	71	51	188	69	9	19		
73	Edward W. Sturdy .....	Maine.	Feb. 25, 1863	15	0	87	49	53	50	80	74	37	32	56	70	251	93	5	19		
74	James W. Cowie .....	Iowa.	Feb. 25, 1863	14	11	54	58	78	69	64	41	62	75	23	63	286	88	8	29		
75	Alvan S. Southworth .....	N. Y.	July 23, 1863	15	4	44	82	92	39	66	84	91	52	12	84	433	94	5	19		
76	Horace E. Jones .....	Ind.	Sep. 25, 1863	17	0	86	85	70	74	39	63	81	37	47	79	137	51	5	19		
77	Alfred Forée .....	Ky.	Apr. 17, 1862	15	8	64	61	56	62	81	51	61	79	22	29	135	49	9	19		
78	Mathew Bolles .....	Mass.	July 30, 1863	15	11	66	54	37	88	84	75	74	76	68	69	52	12	5	19		
79	Erasmus Dennison .....	Ohio.	Sep. 26, 1863	16	9	59	88	1	89	69	72	65	69	53	45	147	66	5	19		
80	Edward W. Remey .....	Iowa.	Sep. 26, 1862	15	4	76	57	88	27	87	47	34	78	83	77	282	87	9	19		
81	William H. Reeder .....	Iowa.	Sep. 20, 1862	14	1	63	83	59	70	54	42	59	80	39	85	202	73	9	19		
82	Edward D. Taussig .....	Mo.	July 23, 1863	15	8	80	80	31	73	70	80	25	87	89	40	241	79	5	19		
83	Francis H. Delano .....	Ohio.	Sep. 22, 1863	15	5	69	68	66	79	88	82	76	86	74	71	179	67	5	19		
†	Henry C. English .....	Ill.	Sep. 29, 1862	16	10	67	87	42	30	Def.	79	58	71	57	86	249	84	9	19		
†	Frederic G. Hyde .....	Conn.	Sep. 21, 1863	16	4	Def.	60	80	21	78	36	54	30	17	9	12	3	5	19		
†	John E. Pillsbury .....	At large	Sep. 22, 1862	15	9	60	74	75	87	1	77	90	72	76	Def.	178	65	9	19		
†	James C. Hull .....	N. Y.	Sep. 27, 1861	14	6	58	76	74	24	79	91	87	1	64	82	117	37	10	14		
†	Andrew C. McMechan .....	Neb. T.	Feb. 24, 1863	16	7	79	71	9	91	31	86	86	Def.	40	73	0	1	5	19		
†	Hamilton M. Tallman .....	N. Y.	Feb. 27, 1863	14	0	Def.	91	91	71	86	78	75	65	78	57	193	71	5	19		
†	Daniel Delehanty .....	N. Y.	Sep. 24, 1862	17	1	72	92	48	81	Def.	87	85	Def.	85	87	248	83	9	19		
†	Edward A. Farrington .....	N. Y.	Sep. 29, 1863	16	8	Def.	69	85	Def.	17	53	92	66	48	62	237	78	5	19		
†	Edward H. Wilson .....	Ill.	Sep. 27, 1862	16	10	39	72	19	92	43	Def.	89	Def.	92	Def.	93	28	6	25		
†	James M. Grimes .....	Ill.	July 25, 1863	15	8	a	a	21	75	a	a	a	a	a	a	124	40	2	25		
a	Huntington Smith .....	Ind.	Feb. 26, 1863	15	11	a	a	a	a	a	a	a	a	a	a	9	2	9	19		

a Not examined; absent on sick leave.

## Third Class—97 Members—1866.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—												Sea service in Practice Ship.	
				Years.	Months.	Seamanship.	Gunmery. Fencing.	Geometry and Trigonometry.	Steam Enginery.	Rhetoric.	History U. S., and Composition.	French.	Spanish.	Drawing.	No. of Demerits.	Conduct.	Months. Days.		
*1	Charles C. Cornwell.....	Neb. T.	Sep. 20, 1864	16	9	5	2 25	7	14	9	11	6	47	51	16	4	19		
*2	Richard C. Derby.....	Idaho T.	Sep. 20, 1864	17	5	39	25 69	17	32	11	7	...	3 20	94	32	4	19		
*3	Charles A. Stone.....	Pa.	July 27, 1864	17	1	37	51	8	1	8	3	6	8	155	59	4	19		
*4	Frederic E. Upton.....	Me.	Nov. 10, 1864	16	10	20	17 29	3	3	5	5	11	...	50	200	69	4	19	
*5	Duncan Kennedy.....	N. Y.	July 20, 1864	16	7	21	28 13	8	5	21	20	52	...	2	78	25	4	19	
6	James D. J. Kelley.....	At large.	Oct. 5, 1864	16	9	2	5 40	21	4	2	1	7	...	58	191	66	4	19	
7	Royal R. Ingersoll.....	Mich.	July 23, 1864	16	7	4	16 46	4	11	13	8	47	...	43	101	33	4	19	
8	Hobart L. Tremain.....	S. C.	Sep. 26, 1864	17	4	22	13 34	25	23	8	4	25	...	40	59	18	4	19	
9	Seaton Schroeder.....	S. C.	Sep. 27, 1864	15	1	28	46 93	34	1	16	14	...	...	41	112	42	4	19	
10	Robert M. G. Brown.....	Va.	July 22, 1864	16	7	14	39	5	6	10	20	26	43	...	35	77	24	4	19
11	Adolphus Marix.....	Iowa	Sep. 26, 1864	16	4	8	1	1	2	59	19	2	...	86	215	72	4	19	
12	Alfred Elliot.....	S. C.	Sep. 23, 1864	16	4	49	20 43	47	26	26	38	3	...	3	23	4	4	19	
13	Raymond P. Rogers.....	Son of off.	July 25, 1864	14	7	3	3 22	12	53	31	19	12	...	54	191	66	4	19	
14	Robert T. Jasper.....	N. Y.	July 21, 1864	17	7	35	32 39	5	34	17	25	31	...	32	173	64	4	19	
15	Theodorus B. M. Mason.....	Florida	Sep. 20, 1864	16	4	18	12 11	71	9	52	51	...	...	5	4	44	11	4	19
16	Boutelle Noyes.....	Va.	Sep. 26, 1864	16	8	7	54 63	46	33	24	15	4	...	17	153	58	4	19	
17	Herbert C. Stinson.....	Me.	Sep. 30, 1864	15	2	30	26 33	35	24	7	17	23	...	52	104	36	4	19	
18	James W. Carlin.....	Ill.	July 23, 1864	16	2	1	9	4	18	7	2	10	20	...	93	242	79	4	19
19	Roswell H. Jerome.....	S. C.	Sep. 21, 1864	17	11	40	21 72	80	22	12	21	...	...	2	18	122	46	4	19
20	Julius T. C. Hoffman.....	Texas	Sep. 22, 1864	16	2	86	63 24	37	28	34	41	16	...	15	16	3	4	19	
21	Amrose B. Wyckoff.....	Ill.	Sep. 29, 1864	16	5	44	24 79	33	52	42	24	42	...	12	89	30	3	26	
22	Webster Doty.....	Wis.	July 27, 1864	16	9	17	37 35	49	4	62	73	5	...	13	126	49	4	19	
23	William E. Uhler.....	Penn.	July 27, 1864	17	6	73	62 32	27	6	73	37	34	...	1	29	5	4	19	
24	George W. Tyler.....	La.	Oct. 3, 1864	16	11	84	87 60	30	20	1	30	14	...	41	108	40	4	19	
25	William J. Barnett.....	N. Y.	July 27, 1864	17	6	51	27 10	16	63	43	67	55	...	27	40	7	4	19	
26	Thomas A. De Blois.....	Ga.	Sep. 21, 1863	15	8	79	90	2	70	18	33	29	...	614	36	6	4	19	
27	Charles W. Chipp.....	N. Y.	July 23, 1863	14	11	54	29 23	14	42	50	45	80	...	24	49	15	4	19	
28	Warner M. Cowgill.....	Del.	Sep. 29, 1863	14	11	32	31	3	61	29	4	3	13	...	92	88	29	4	19
29	Horace McElroy.....	Wis.	Sep. 24, 1863	14	11	46	47 47	66	39	14	9	21	...	23	108	40	4	19	
30	Frederic Singer.....	Ohio	July 27, 1863	16	2	72	89 45	19	19	37	31	15	...	30	294	84	4	19	
31	Nathan H. Barnes.....	Ill.	July 27, 1863	16	11	67	18 76	41	40	63	61	17	...	9	101	33	8	19	
32	Franklin J. Drake.....	N. Y.	Feb. 23, 1863	16	11	69	42 53	22	13	46	81	40	...	10	163	61	4	19	
33	Robert M. Thompson.....	Penn.	July 30, 1864	15	5	19	4	81	9	41	64	49	48	...	73	116	45	1	24
34	Jesse B. Smith.....	Vt.	July 28, 1864	17	11	23	41 68	11	27	59	96	36	...	76	48	14	2	25	
35	Jefferson F. Moser.....	Penn.	Sep. 29, 1864	16	4	26	7 95	31	82	83	92	28	...	28	64	19	4	19	
36	Charles T. Forse.....	Ky.	Sep. 29, 1863	17	2	65	80 55	52	21	22	32	30	...	39	87	28	6	4	
37	Thomas C. McLean.....	N. Y.	Sep. 21, 1864	16	11	31	52 16	38	2	44	47	27	...	74	246	80	4	19	
38	Richard Wainwright.....	Son of off.	Sep. 28, 1864	14	9	16	6 94	10	74	67	36	26	...	83	339	89	4	19	
39	John C. Irvine.....	Ill.	Sep. 26, 1864	16	6	29	14 29	28	60	36	16	65	...	88	43	10	4	19	
40	Lambert G. Palmer.....	Son of off.	July 20, 1863	14	9	25	14 36	81	16	40	68	62	...	26	15	2	4	19	
41	John M. Hawley.....	Mass.	July 23, 1863	16	11	47	30 85	53	83	32	18	73	...	7	92	31	4	19	
42	William Wourt.....	Me.	Sep. 28, 1863	16	9	43	8 59	63	49	25	35	41	...	65	76	23	4	19	
43	William H. Beehler.....	Md.	July 28, 1864	16	4	80	78 90	32	13	56	40	10	...	31	224	77	4	19	
44	John A. Rodgers.....	Son of off.	July 29, 1863	15	0	45	43 9	23	45	80	37	68	...	56	67	20	4	19	
45	Aretas M. Legg.....	N. Y.	July 23, 1864	17	8	58	33 7	26	70	87	88	64	...	22	42	8	4	19	
46	Dwight S. Smith.....	Mich.	July 24, 1863	14	1	53	80 56	36	70	10	59	29	...	55	604	97	5	19	
47	John B. Robinson.....	Penn.	July 31, 1864	16	2	42	65 44	39	71	15	13	44	...	79	112	42	4	19	
48	Nicholas L. Roosevelt.....	N. Y.	Sep. 27, 1864	17	3	50	22 6	57	7	89	74	74	...	6	171	63	4	19	
49	Theodore M. Etting.....	Penn.	Nov. 25, 1862	16	6	63	38 54	51	48	35	34	53	...	45	124	48	8	19	
50	Jerome B. Honse.....	N. Y.	July 23, 1864	16	10	59	49 17	15	17	72	84	84	...	60	128	50	4	19	
51	Charles P. Welch.....	Mo.	Sep. 29, 1864	17	1	38	19 66	69	75	58	53	39	...	42	58	17	4	19	
52	Arthur B. Speyers.....	N. Y.	July 23, 1863	16	11	27	68 57	64	61	23	39	9	...	70	354	90	5	19	
53	James D. Adams.....	Miss.	Sep. 27, 1864	16	5	34	34 75	56	78	47	83	32	...	19	322	87	4	19	
54	Charles A. Adams.....	Wis.	July 23, 1863	16	11	48	70 49	55	15	30	80	58	...	34	218	74	4	19	
55	James R. Selfridge.....	Cal.	July 21, 1864	15	0	13	23 18	42	73	61	70	56	...	82	157	60	4	19	
56	Ebenezer S. Prime.....	Ohio	Sep. 21, 1863	16	8	66	76 87	13	93	70	44	35	...	59	311	86	4	19	
57	Francis W. Perkins.....	Conn.	Sep. 23, 1862	15	9	6	35 20	75	55	71	33	49	...	61	231	78	4	19	
58	Charles H. M. Blake.....	Mass.	Sep. 24, 1863	15	0	55	61 73	24	69	41	48	54	...	91	215	72	4	19	
59	George K. Bower.....	Penn.	Sep. 26, 1864	16	5	77	58 19	45	35	48	94	45	...	69	123	47	4	19	
60	Charles F. Norton.....	Col. T.	July 22, 1863	15	10	85	79 12	20	80	75	52	24	...	81	287	31	4	19	
61	Edwin K. Moore.....	Ohio	Oct. 1, 1864	17	2	24	72 71	79	79	60	75	19	...	66	82	26	4	19	
62	Samuel R. Crumbaugh.....	Ky.	Feb. 20, 1863	17	8	87	40 52	40	66	45	76	22	...	90	164	62	4	19	
63	James K. Cogswell.....	Wis.	Sep. 23, 1863	16	0	36	44 51	77	46	29	95	59	...	48	145	56	4	19	
64	William C. Strong.....	Son of off.	Sep. 22, 1864	16	3	81	71 14	44	47	54	85	70	...	21	287	81	4	19	
65	Charles A. Copp.....	Enl'd boy.	Nov. 5, 1864	17	3	15	57 27	43	50	94	79	75	...	63	412	92	4	19	

## Third Class—Continued.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—												Sea service in Practice Ship.	
				Years.	Months.	Scamanship.	Gunnery.	Fencing.	Geometry and Trigonometry.	Steam Engineering.	Rhetoric.	History U. S., and Composition.	French.	Spanish.	Drawing.	No. of Demerits.	Conduct.	Months.	Days.
66	Albion V. Wadhams.....	N. Y.....	Sep. 16, 1864	17	3	33	48	61	50	57	88	78	66	..	68	130	51	4	19
67	George K. Adams.....	N. Y.....	Aug. 1, 1864	15	9	57	74	88	67	88	53	66	46	..	49	71	22	4	19
68	Theodore T. Wood.....	N. J.....	Sep. 29, 1864	17	7	41	93	37	84	81	74	42	1	..	62	324	88	2	25
69	Washington O. Sharrer.....	Md.....	Sep. 27, 1864	16	3	71	60	31	60	67	82	90	37	..	81	46	13	4	19
70	Charles W. Jarboe.....	Md.....	Sep. 29, 1864	16	0	78	45	62	59	68	68	57	33	..	84	137	53	4	19
71	George C. Wallace.....	Ind.....	July 20, 1864	16	11	82	85	82	76	51	57	54	76	..	44	42	9	4	19
72	Samuel Ames, jr.....	R. I.....	July 23, 1864	15	3	76	35	97	82	65	39	28	60	..	87	105	38	4	19
73	Charles Seymour.....	Oregon.....	July 28, 1864	17	3	74	94	15	78	30	92	86	85	..	36	101	33	4	19
74	Alvin R. Carpenter.....	Texas.....	Sep. 28, 1864	17	11	64	64	86	62	85	49	43	72	..	77	177	65	2	25
75	John Milligan.....	Ohio.....	July 21, 1863	16	9	56	82	91	86	84	79	55	82	..	37	44	11	2	25
76	James R. Fletcher.....	Tenn.....	Sep. 26, 1864	16	8	62	88	42	83	89	65	64	38	..	57	198	68	4	19
77	Arthur H. Parsons.....	Ohio.....	July 27, 1864	16	10	60	50	77	65	86	76	82	83	..	75	104	36	4	19
78	Nathan E. Niles.....	Penn.....	July 28, 1864	16	7	70	75	41	73	87	77	89	50	..	72	223	75	4	19
79	Perry Garst.....	Ill.....	July 25, 1863	15	0	61	69	78	68	90	90	69	81	..	64	211	71	4	19
80	Gottfried Blochlinger.....	Iowa.....	July 21, 1863	14	9	75	65	80	85	58	86	63	86	..	67	136	52	4	19
f	Edward M. Day.....	La.....	Sep. 23, 1863	15	0	68	67	26	Def.	56	69	77	77	..	29	552	96	4	19
f	William H. Everett.....	Conn.....	July 21, 1863	16	4	10	58	48	58	64	81	91	....	..	25	204	70	4	19
f	Thomas N. Lee.....	D. C.....	Sep. 13, 1863	16	1	Def.	73	67	54	54	38	56	57	..	38	139	54	4	19
f	Thomas H. Stevens, jr.....	Son of off.	Sep. 29, 1863	15	2	Def.	56	58	74	62	18	62	18	..	33	395	91	5	19
+	Timothy D. Bolles.....	Ark.....	Oct. 1, 1864	16	11	9	10	74	Def.	37	66	60	Def.	..	53	294	84	4	19
+	George P. Colvocoresses.....	Son of off.	Sep. 28, 1864	17	5	12	55	65	Def.	38	28	23	67	..	5	86	27	4	19
+	William E. B. Delahay.....	Kansas.....	July 22, 1864	17	4	11	11	92	Def.	31	55	46	71	..	85	68	21	4	19
+	Charles G. Fisher.....	Idaho T.....	Sep. 22, 1864	14	10	52	86	64	Def.	77	91	65	51	..	46	531	95	4	19
+	Richard Mitchell.....	Mass.....	July 22, 1864	15	6	83	91	84	Def.	76	93	71	78	..	71	435	93	4	19
+	Daniel D. V. Stuart.....	N. Y.....	Sep. 23, 1863	16	0	Def.	53	21	29	91	51	27	61	..	78	292	83	4	19
+	Nisbet Turnbull.....	Mo.....	Sep. 29, 1864	17	2	Def.	84	28	72	12	27	22	Def.	1	51	107	39	4	19
+	Albert Landolt.....	Wis.....	July 28, 1863	15	6	Def.	83	30	Def.	92	78	50	63	..	89	223	75	2	25
+	George Mills.....	Wis.....	Sep. 26, 1863	15	4	Def.	92	83	48	94	84	58	79	..	94	465	94	2	25
a	John S. Williams.....	Ill.....	July 27, 1863	16	10	Def.	77	38	Def.	25	85	97	69	..	16	141	55	2	25
a	Gilbert E. Bryson.....	Md.....	July 25, 1864	17	7	a	a	a	a	a	a	72	90	..	a	113	44	4	19
a	Charles N. Scott.....	Mass.....	Sep. 21, 1864	17	5	a	a	a	a	a	a	12	91	..	a	11	1	2	25
a	Edward T. Welles.....	Texas.....	Sep. 23, 1864	17	8	a	a	70	a	a	a	93	89	..	a	145	56	4	19

a. Absent on sick leave ; not examined.

NOTE. Only those who are proficient in French in this class study Spanish.



## Fourth Class—123 Members—1866.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—								S <sup>CD</sup> service in Practice Ship.	
				Years.	Months.	Arithmetic and Algebra.	Grammar.	Geography.	History.	Drawing.	No. of Demerits.	Conduct.			
													Months.		
*1	Henry M. M. Richards.....	Penn.....	July 21, 1865	16	11	6	5	40	11	3	27	6	2	24	
*2	John B. Briggs.....	Mass.....	Sep. 30, 1865	16	6	9	2	2	9	8	209	89	2	24	
*3	Benjamin H. Buckingham..	Ohio.....	July 22, 1865	17	5	12	10	16	28	1	98	40	2	24	
*4	William H. Turner.....	Ohio.....	July 22, 1865	17	6	26	19	8	17	23	20	5	2	24	
*5	Charles G. Bowman.....	Ind.....	July 29, 1865	16	9	2	16	14	21	35	136	54	2	24	
6	Edward A. Field.....	Conn.....	July 22, 1865	17	10	15	4	5	8	52	123	52	2	24	
7	Charles P. Perkins.....	Mass.....	July 21, 1865	17	5	7	7	36	2	24	152	69	2	24	
8	John W. E. York.....	Son of off.	July 24, 1865	17	9	14	3	1	1	104	89	33	1	24	
9	William W. Kimball.....	Son of off.	July 31, 1865	17	7	5	21	52	13	54	14	4	2	24	
10	Fletcher S. Bassett.....	Ill.....	Sep. 21, 1865	17	9	16	8	3	5	95	121	51	2	24	
11	Charles R. Brown.....	N. H.....	Sep. 22, 1865	16	7	1	1	24	14	99	136	59	2	24	
12	Giles B. Harber.....	Ohio.....	July 24, 1865	15	10	4	9	19	20	74	164	74	2	24	
13	Herbert Winslow.....	Son of off.	July 21, 1865	16	10	36	32	9	25	5	79	26	2	24	
14	Sumner C. Paine.....	Maine.....	Sep. 22, 1865	17	1	23	23	12	3	61	105	45	2	24	
15	John C. Wilson.....	N. Y.....	July 24, 1865	16	0	27	13	19	29	62	78	25	2	24	
*16	Nathaniel J. K. Patch.....	Mass.....	Sep. 21, 1865	17	4	8	40	63	47	4	40	9	2	24	
17	Edward J. Berwind.....	Penn.....	July 21, 1865	17	1	45	26	6	30	18	82	28	2	24	
18	Richard G. Davenport.....	Ga.....	Sep. 29, 1864	15	8	28	46	10	7	65	104	44	4	19	
19	John P. Wallis.....	Md.....	July 26, 1864	15	3	35	15	23	46	60	55	14	4	19	
20	Henry O. Handy.....	Mass.....	July 25, 1865	17	4	20	33	47	4	66	92	37	2	24	
21	Frank C. Birney.....	Son of off.	July 25, 1865	15	8	37	11	4	12	86	147	66	2	24	
22	Arthur P. Nazro.....	Mass.....	July 22, 1865	14	7	19	59	18	18	48	132	57	2	24	
23	Alexander M. Thackara.....	Penn.....	July 21, 1865	16	10	24	25	22	52	82	81	27	2	24	
24	Charles A. Clarke.....	Iowa.....	July 21, 1864	15	11	49	17	11	32	21	166	76	5	19	
25	Joel Hall.....	Conn.....	July 26, 1865	17	10	38	43	41	50	25	35	8			
26	John A. Norris.....	Penn.....	Sep. 28, 1865	17	9	34	31	62	43	45	29	7	2	24	
27	Kossuth Niles.....	Ill.....	Sep. 23, 1865	16	3	17	20	51	6	105	56	72	2	24	
28	Edwin H. Wiley.....	Ill.....	July 28, 1865	17	10	43	12	39	23	106	51	13	2	24	
29	Halsey M. Wing.....	N. Y.....	July 26, 1865	17	8	39	51	32	58	36	12	3	2	24	
30	George H. Tuller.....	Conn.....	July 21, 1865	17	6	18	38	59	36	26	178	79	2	24	
31	William R. Cist.....	Mo.....	July 22, 1865	17	1	62	22	13	10	17	246	101	2	24	
32	Louis E. Bixler.....	Penn.....	Sep. 27, 1865	16	8	54	36	21	26	55	91	35	2	24	
33	James W. Graydon.....	Iowa.....	July 22, 1865	17	6	48	41	53	40	2	85	31	2	24	
34	Horatio F. Moulton.....	N. H.....	Sep. 21, 1864	16	8	42	6	25	33	96	154	70	4	19	
35	John Garvin.....	Ohio.....	July 22, 1865	16	9	21	24	93	42	72	84	30	2	24	
36	John Henry Moore.....	N. Y.....	July 31, 1865	16	5	30	63	45	76	31	70	22	2	24	
37	Joseph B. Hobson.....	Iowa.....	July 25, 1865	15	2	13	45	84	57	6	218	92	2	24	
38	Archibald Y. Comstock.....	Conn.....	Sep. 22, 1864	16	3	56	61	17	29	16	163	73	4	19	
39	Clinton K. Curtis.....	W. Va.....	Sep. 28, 1865	16	5	29	78	68	49	27	43	10	2	24	
40	John A. H. Nickels.....	Miss.....	Oct. 8, 1864	15	9	40	35	27	48	81	137	61	4	19	
41	Henry T. Monahan.....	Enl'd boy.	July 26, 1865	16	1	69	28	26	15	14	294	108	2	24	
42	Richard A. Breck.....	Mass.....	Sep. 30, 1865	17	1	25	50	34	78	85	112	47	2	24	
43	Albert G. Berry.....	At large..	July 25, 1865	16	10	79	14	28	60	9	128	55	2	24	
44	William F. Bulkley.....	N. Y.....	July 26, 1865	17	11	3	34	91	66	77	185	81	2	24	
45	Uriah R. Harris.....	Ind.....	July 22, 1865	15	10	10	90	71	67	73	56	15	2	24	
46	Elliott J. Arthur.....	Vt.....	Sep. 27, 1865	16	5	47	56	58	62	43	67	20	2	24	
47	John C. Richberg.....	Ill.....	July 20, 1864	17	11	46	75	30	44	93	49	12	4	19	
48	Charles W. Ruschenberger..	Son of off.	July 23, 1864	16	10	55	37	46	61	91	43	10	4	19	
49	Robert L. Fowler.....	N. Y.....	July 22, 1865	16	3	53	39	37	65	22	228	96	2	24	
50	Henry T. Stockton.....	Penn.....	July 22, 1865	15	11	68	52	31	22	37	178	79	2	24	
51	Karl Rohrer.....	Mo.....	July 22, 1865	17	6	77	18	50	41	92	10	2	2	24	
52	William P. Day.....	Enl'd boy.	July 26, 1865	16	10	75	73	35	34	30	77	24	2	24	
53	George F. Wright.....	Ill.....	July 22, 1865	16	9	67	48	47	24	28	193	87	2	24	
54	Edward O. Macfarlane.....	Penn.....	Oct. 3, 1864	15	6	61	67	44	16	103	74	23	4	19	
55	Dennis Mahan.....	Son of off.	July 21, 1865	16	3	41	96	20	38	51	5	a	2	24	
56	Henry C. Longnecker.....	Penn.....	July 30, 1864	16	9	52	72	57	35	59	101	41	2	25	
57	William H. Driggs.....	Mich.....	July 21, 1865	17	11	31	82	80	94	7	102	43	2	24	
58	Arthur P. Osborn.....	Ohio.....	July 31, 1865	17	11	65	49	76	53	38	65	19	2	24	
59	James Franklin.....	Md.....	Sep. 26, 1865	16	9	78	44	15	27	70	189	83	2	24	
60	William P. Potter.....	N. Y.....	Sep. 27, 1865	15	4	58	58	78	64	40	62	16	2	24	
61	William E. Harmon.....	Ohio.....	July 25, 1865	16	4	50	64	73	93	11	93	38	2	24	
62	Thomas S. Phelps, jr.....	Son of off.	July 26, 1865	16	8	74	68	60	51	49	8	1	2	24	
63	William C. Negley.....	Penn.....	July 26, 1865	14	7	60	77	69	55	44	86	32	2	24	
64	Frederic B. Sweet.....	Mich.....	July 29, 1865	17	9	33	93	94	90	57	64	18	2	24	
65	Newton E. Mason.....	Penn.....	July 24, 1865	14	9	11	65	88	77	94	326	110	2	24	

a Absent on sick leave; not examined.

## Fourth Class—Continued.

Order of general merit.	NAME.	STATE.	DATE OF ADMISSION.	Age at date of admission.		ORDER OF MERIT IN—								Sea service in Practice Ship.	
				Years.	Months.	Arithmetic and Algebra.	Grammar.	Geography.	History.	Drawing.	No. of Demerits.	Conduct.	Months.	Days.	
66	Horace A. Blanchard	Mass.	July 26, 1865	14	0	64	97	33	45	76	97	39	2	24	
67	William F. Low	N. H.	July 24, 1865	16	5	59	60	85	37	75	106	46	2	24	
68	Charles A. Bradbury	Vt.	July 27, 1865	16	4	87	42	43	82	34	132	57	2	24	
69	William S. King	Dak. Ter.	July 31, 1865	17	11	80	30	49	59	84	65	144	2	24	
70	Edward B. Barry	Son of off.	July 21, 1865	15	9	86	57	70	70	10	90	34	2	24	
71	Charles E. Colahan	Penn.	July 21, 1865	15	8	66	47	42	79	80	192	85	2	24	
72	Nelson T. Houston	N. Y.	July 28, 1865	16	0	57	62	79	54	89	119	49	2	24	
73	Thomas Rodd	Enl'd boy.	July 22, 1865	16	1	70	27	86	75	47	280	106	0	9	
74	Henry Hawley	At large.	July 28, 1865	17	1	63	66	55	81	46	263	104	2	24	
75	John H. C. Coffin, jr.	Son of off.	July 22, 1865	15	8	32	81	108	89	64	222	94	0	00	
76	Emory H. Taunt	Penn.	July 24, 1865	14	3	71	76	38	31	113	230	97	2	24	
77	William A. Hadden	Penn.	Sep. 28, 1865	17	8	32	80	95	95	102	221	93	2	24	
78	Henry E. Muhlenberg	Penn.	Sep. 21, 1865	15	8	51	71	98	92	79	101	41	2	24	
79	George A. Zabriskie	Neb. Ter.	Sep. 29, 1865	16	3	83	54	66	72	68	173	78	2	24	
80	James J. Wheeler	Ky.	Sep. 19, 1865	17	11	72	85	101	84	19	150	68	2	24	
81	Frederic B. Hull	Mich.	Sep. 30, 1865	15	4	73	83	87	85	39	155	71	2	24	
82	Hugo Osterhaus	Mo.	Sep. 22, 1865	14	3	44	87	112	102	56	393	115	2	24	
83	Sidney H. May	N. H.	July 28, 1864	17	2	82	84	65	87	107	91	35	4	19	
84	Edward T. Henshaw	Ill.	Sep. 26, 1865	15	10	85	55	105	83	88	130	56	2	24	
85	Martin E. Hall	Iowa.	Sep. 19, 1865	17	11	92	70	61	39	100	321	109	2	24	
86	Alfred B. Fowler	Enl'd boy.	Sep. 23, 1865	17	11	90	91	56	56	78	212	90	2	24	
87	Charles M. Shepherd	Ill.	Dec. 3, 1864	17	3	81	69	92	105	110	83	29	4	19	
88	John S. Abbott	Wis.	Sep. 23, 1864	17	0	89	53	77	73	87	337	111	4	19	
89	Wainwright Kellogg	Penn.	Sep. 29, 1865	16	8	84	101	67	104	71	189	83	2	24	
90	William Schnur	Penn.	July 29, 1865	17	9	88	95	89	106	67	169	77	2	24	
91	Samuel P. Comly	N. J.	July 26, 1865	16	0	76	89	83	91	109	247	102	2	24	
	William M. Berryman	D. C.	Nov. 22, 1865	16	5	Def.	Def.	118	111	115	138	62	2	24	
	Floyd O. Buskirk	Ohio	Sep. 25, 1865	15	3	Def.	Def.	109	Def.	111	205	88	2	24	
	Albert C. Dillingham	Penn.	July 21, 1865	17	2	Def.	104	74	110	101	285	107	2	24	
	Ferdinand H. Geutsch	Ohio	July 22, 1865	17	4	D. Def.	Def.	101	97	32	142	64	2	24	
	Gustavus C. Hanus	Wis.	July 26, 1865	17	3	Def.	94	107	80	116	188	82	2	24	
	Orion P. Howe	At large.	July 28, 1865	16	5	Def.	Def.	97	101	41	113	48	2	24	
	Marcus D. Hyde	W. T.	Nov. 25, 1865	16	6	Def.	102	103	99	13	141	63	2	24	
	Theodoric Porter	Son of off.	Sep. 23, 1865	16	10	Def.	Def.	119	Def.	15	68	21	2	24	
	Clayton S. Richman	Iowa.	July 24, 1865	16	5	Def.	Def.	116	Def.	83	62	16	2	24	
	George H. Richmond	Conn.	Sep. 27, 1865	16	8	Def.	88	81	68	108	192	85	2	24	
	Negley Rudd	Ind.	Sep. 28, 1865	15	11	Def.	74	110	100	50	237	99	2	24	
	Wisner G. Scott	N. Y.	July 22, 1865	17	6	Def.	86	106	107	33	125	53	2	24	
	Edward P. Turner	Son of off.	July 22, 1865	16	0	Def.	Def.	121	Def.	114	454	116	0	00	
	Joseph H. Utley	Ill.	Sep. 22, 1865	17	7	Def.	D. Def.	82	98	90	230	97	2	24	
	William H. Van de Carr	N. Y.	July 26, 1865	15	1	Def.	103	117	103	98	119	49	2	24	
	Montgomery Wilcox	Dak. Ter.	July 26, 1865	14	6	Def.	29	54	71	29	164	75	2	24	
	Francis Winslow	Son of off.	July 22, 1865	14	1	Def.	98	96	88	42	265	105	2	24	
	William M. Wood	Ind.	July 21, 1865	15	4	Def.	99	90	86	53	257	103	2	24	
	Lewis Ashmun	Son of off.	July 25, 1864	17	1	Def.	92	104	74	19	212	90	2	25	
	Frederic B. Oakley	Son of off.	July 27, 1864	15	2	Def.	79	72	63	63	350	112	2	25	
	De Hart G. Quimby	Son of off.	July 22, 1865	15	10	Def.	100	113	108	97	350	112	0	00	
	Joseph H. Ross	Ill.	Aug. 1, 1865	16	0	Def.	Def.	111	109	69	238	100	0	00	
	William W. Touvelle	Ohio	Sep. 22, 1865	17	5	Def.	Def.	102	69	20	222	94	0	00	
	George Warren	Enl'd boy.	July 31, 1865	17	3	Def.	Def.	75	96	58	149	67	0	00	
a	Charles J. Bates	Ohio	July 22, 1865	17	8	a	a	a	a	a	a	a	2	24	
a	John D. Brownlee	Mo.	July 24, 1865	16	9	a	a	a	a	a	136	59	0	00	
a	Willie Kilburn	Cal.	Dec. 5, 1865	17	4	91	a	114	a	118	381	114	0	00	
a	Randal W. Morgan	N. J.	Sep. 28, 1865	17	4	a	a	120	a	120	28	a	2	6	
a	Wm. Gardner Morgan	At large.	July 26, 1864	17	7	a	a	7	a	119	72	a	2	25	
a	Samuel H. Phelps	Ohio	July 22, 1865	15	11	a	a	104	a	117	58	a	0	00	
a	John B. Pratt	Tenn.	Sep. 29, 1865	17	11	a	a	99	a	112	33	a	0	00	
a	Edward R. Root	Mich.	Sep. 26, 1865	14	5	a	a	115	a	123	49	a	2	24	

a Absent on sick leave; not examined.



*Alphabetical list of Midshipmen admitted in July and September, forming the fourth class of 1866-'67.*

Name.	State.	Date of admission.	AGE AT DATE OF ADMISSION.	
			Years.	Months.
Philip Arnold.....	Kentucky.....	Aug. 1, 1866	15	11
Pacificus L. Ashley.....	Nevada.....	Sep. 24, 1866	14	6
John P. J. Auger.....	Son of officer.....	Sep. 26, 1866	14	5
Montgomery Backus.....	Michigan.....	July 25, 1866	17	11
Winfield S. Baker.....	Indiana.....	July 30, 1866	17	5
John W. Barnes.....	Kentucky.....	July 28, 1866	17	4
Caspar C. Barnette.....	Michigan.....	July 23, 1866	16	6
Warren L. Bassford.....	Enlisted boy.....	July 31, 1866	17	0
Willie M. Belcher.....	At large.....	July 31, 1866	16	2
Charles H. Brahe, jr.....	Arizona Territory.....	July 25, 1866	15	11
Edward W. Brenen.....	New York.....	July 28, 1866	14	1
Charles Briggs.....	Rhode Island.....	July 30, 1866	17	2
James H. Bull.....	Pennsylvania.....	July 25, 1866	14	1
George A. Calhoun.....	Enlisted boy.....	July 31, 1866	17	0
James L. Carter.....	New York.....	July 25, 1866	17	6
George D. Clark.....	Son of officer.....	Sep. 24, 1866	16	5
William P. Clason.....	Rhode Island.....	July 27, 1866	16	9
John B. Collins.....	Louisiana.....	July 30, 1866	16	6
William P. Conway.....	Kentucky.....	Oct. 1, 1866	17	2
Ashley A. Crane.....	California.....	July 26, 1866	17	3
Freeman H. Crosby.....	New York.....	July 30, 1866	17	2
Edwin K. Culver.....	Pennsylvania.....	Aug. 1, 1866	17	10
John W. Danenhower.....	Illinois.....	Sep. 25, 1866	16	11
William B. W. Darley.....	Pennsylvania.....	Sep. 27, 1866	17	1
Artial C. Dimock.....	Enlisted boy.....	July 31, 1866	16	8
Sydney W. Dousman.....	Wisconsin.....	July 25, 1866	15	6
George L. Dyer.....	Maine.....	July 26, 1866	16	10
Frank Ellery, jr.....	Son of officer.....	Sep. 25, 1866	16	6
Charles F. Emmerick.....	District of Columbia.....	Sep. 26, 1866	17	8
Adok T. Esmond.....	New York.....	July 26, 1866	17	11
Charles S. Eycleshimer.....	Wisconsin.....	Oct. 1, 1866	15	5
Norman F. Fickbohm.....	Enlisted boy.....	July 31, 1866	17	4
Phillip V. Field.....	Illinois.....	Aug. 1, 1866	17	10
Charles A. Foster.....	Minnesota.....	Aug. 1, 1866	16	6
George Foster, jr.....	New York.....	July 31, 1866	15	8
Joseph H. Frances.....	Pennsylvania.....	July 26, 1866	16	9
Walter Fraser.....	Son of officer.....	July 27, 1866	17	0
Julius C. Freeman.....	Illinois.....	Oct. 4, 1866	17	3
Walter S. French.....	Maine.....	July 27, 1866	14	7
Charles D. Galloway.....	Maryland.....	Sep. 22, 1866	16	1
Harrington L. Gosling.....	Tennessee.....	Sep. 25, 1866	15	3
James M. Gore.....	Son of officer.....	July 25, 1866	16	11
Samuel L. Graham.....	Pennsylvania.....	July 27, 1866	17	10
Henry L. Green.....	New York.....	July 31, 1866	17	4
Hiram Hancock.....	Pennsylvania.....	July 23, 1866	16	5
Frank G. Hargous.....	New York.....	Aug. 1, 1866	16	5
Henry Harris.....	Illinois.....	Aug. 1, 1866	16	7
John L. Hart.....	New York.....	Sep. 22, 1866	16	5
Lewis C. Heilner.....	Pennsylvania.....	July 25, 1866	17	5
Henry L. Heiskell.....	Maryland.....	Sep. 26, 1866	15	9
Walter S. Holliday.....	Wisconsin.....	July 27, 1866	17	2
George W. Holman.....	California.....	July 25, 1866	17	9
George B. Hoyt.....	Maine.....	July 31, 1866	16	4
John Hubbard.....	Arizona Territory.....	July 26, 1866	17	2
Edward M. Hughes.....	At large.....	July 26, 1866	16	0
Jacob J. Hunker.....	Ohio.....	July 30, 1866	16	11
Harry M. Jacoby.....	Pennsylvania.....	July 27, 1866	15	11
Julius S. Jarnagin.....	Tennessee.....	Sep. 27, 1866	14	10
Jacob W. Jordan.....	Iowa.....	Oct. 2, 1866	17	5
London P. Jouett.....	Kentucky.....	July 31, 1866	16	6
Francis A. Kauffman.....	Enlisted boy.....	July 31, 1866	17	7
John D. Keeler.....	Indiana.....	July 23, 1866	16	7
Charles E. Keyes.....	New Hampshire.....	Sep. 29, 1866	17	1
Henry H. Kirkpatrick.....	Indiana.....	Sep. 22, 1866	17	2
George Kronmiller, jr.....	Maryland.....	Oct. 3, 1866	16	6
Charles P. Kunhardt.....	Pennsylvania.....	July 31, 1866	16	11
Boynton Leach.....	New York.....	July 30, 1866	16	0
Frederic H. Lefavor.....	Ohio.....	July 27, 1866	17	7
David S. Little.....	California.....	Sep. 24, 1866	17	3
William St. C. Long.....	Son of officer.....	July 25, 1866	16	6
Francis L. Ludlow.....	New York.....	July 24, 1866	16	1
Charles H. Lyman.....	Ohio.....	July 28, 1866	17	3
George Lyon, jr.....	Missouri.....	July 25, 1866	16	11
William H. E. Masser.....	Pennsylvania.....	Oct. 1, 1866	17	4
William G. Mayer.....	Ohio.....	July 23, 1866	15	0
Henry McCrea.....	Indiana.....	July 24, 1866	13	8

## Alphabetical list of Midshipmen admitted in July and September—Continued.

Name.	State.	Date of admission.	AGE AT DATE OF ADMISSION.	
			Years.	Months.
Alexander McCrackin .....	Iowa .....	July 27, 1866	16	0
Colin McDonald .....	Ohio .....	July 24, 1866	17	5
George W. Mentz .....	New Jersey .....	Sep. 26, 1866	16	2
Greenlief A. Merriam .....	Massachusetts .....	July 24, 1866	16	8
Marcellus G. Miller .....	New York .....	July 26, 1866	15	9
Anson B. Millinan .....	Enlisted boy .....	July 31, 1866	17	7
John B. Milton .....	Kentucky .....	July 30, 1866	17	9
Joseph B. Murdock .....	Massachusetts .....	July 26, 1866	15	5
John A. Murphy .....	At large .....	Sep. 26, 1866	16	10
Edward R. Norton .....	Illinois .....	July 30, 1866	17	4
James P. Norton .....	Connecticut .....	July 26, 1866	15	10
Haile C. Nye .....	Ohio .....	July 28, 1866	15	9
William H. Oxley .....	Minnesota .....	July 31, 1866	17	1
Robert G. Peck .....	Massachusetts .....	Sep. 24, 1866	17	2
Henry R. Pennington .....	Delaware .....	Oct. 1, 1866	17	2
Joseph W. Perkins .....	Vermont .....	Sep. 26, 1866	14	7
Howard Platt .....	Ohio .....	Oct. 1, 1866	16	4
Joel A. Post .....	New York .....	July 23, 1866	15	6
Whitnall P. Ray .....	Indiana .....	Sep. 27, 1866	17	9
Lazarus L. Reamey .....	Pennsylvania .....	July 25, 1866	17	5
Corwin P. Rees .....	Ohio .....	July 31, 1866	17	10
William Rensen, jr. ....	New York .....	July 26, 1866	17	7
Charles S. Richardson .....	Massachusetts .....	July 30, 1866	16	9
Hawley O. Rittenhouse .....	New Jersey .....	July 27, 1866	15	1
Timothy G. C. Salter .....	Enlisted boy .....	Sep. 24, 1866	15	8
George A. Sanderson .....	Ohio .....	Sep. 26, 1866	15	4
Nathan Sargent, jr. ....	Montana Territory .....	July 23, 1866	16	8
James H. Sawyers .....	Kentucky .....	Sep. 24, 1866	17	5
Milton K. Schwenk .....	Colorado Territory .....	Sep. 22, 1866	16	4
Frank Scott .....	Pennsylvania .....	Sep. 24, 1866	17	0
George L. Selden .....	Connecticut .....	July 27, 1866	17	10
George N. Seymour .....	New York .....	July 24, 1866	16	1
Henry Wm. Shaefer .....	Illinois .....	July 23, 1866	16	5
Edward L. Shaffer .....	New York .....	July 27, 1866	17	2
Benjamin M. Shaffner .....	Illinois .....	July 31, 1866	17	8
Charles E. Soule, jr. ....	Enlisted boy .....	July 31, 1866	15	0
John R. Spears .....	Ohio .....	July 31, 1866	16	3
Thomas C. Spencer .....	Son of officer .....	July 24, 1866	17	4
George M. Stump .....	Maryland .....	July 27, 1866	16	5
Emory H. Talbot .....	Rhode Island .....	July 26, 1866	14	10
Benjamin C. Tillinghast .....	Enlisted boy .....	July 31, 1866	16	5
Hanson R. Tyler .....	Vermont .....	July 27, 1866	15	2
Dick Van Horn .....	Missouri .....	Oct. 1, 1866	14	10
Frank B. Veazie .....	Massachusetts .....	July 23, 1866	15	8
Albert F. Vedder .....	New York .....	Aug. 2, 1866	17	11
Charles E. Vreeland .....	Enlisted boy .....	July 31, 1866	14	4
Charles P. Warden .....	West Virginia .....	Sep. 27, 1866	16	6
Kingsland Weare .....	New York .....	Sep. 26, 1866	13	11
David Whipple .....	Son of officer .....	Sep. 25, 1866	16	2
Henry S. Williams .....	New York .....	July 30, 1866	17	7
Downs L. Wilson .....	At large .....	July 27, 1866	17	10
Thomas C. Wood .....	New York .....	July 30, 1866	16	2
Miers F. Wright .....	Pennsylvania .....	Oct. 1, 1866	15	11

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Ans 16 yrs 6 mo

## CALENDAR—1866-'67.

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### 1866.

July 20.—Examination of candidates for admission began .....	Friday.
July 31.—Examination of candidates concluded.....	Tuesday.
Sep. 20.—Examination of candidates for admission began.....	Thursday.
Oct. 1.—Examination of candidates concluded.....	Monday.
Oct. 2.—Winter term began.....	Tuesday.
Dec. 7.—Thanksgiving; studies and exercises suspended.....	Friday.
Dec. 25.—Christmas; studies and exercises suspended.....	Tuesday.

### 1867.

Jan. 1.—New Year; studies and exercises suspended .....	Tuesday.
Jan. 16.—Semi-annual examination begins.....	Wednesday.
Feb. 15.—Semi-annual examination and winter term ends.....	Friday.
Feb. 16.—Summer term begins.....	Saturday.
Feb. 22.—Studies and exercises suspended.....	Friday.
May 20.—Annual examination begins.....	Tuesday.
June 10.—Annual examination and summer term ends.....	Monday.

## PRACTICE CRUISE.

### 1866-'67.

July 20.—Examination of candidates for admission begins .....	Saturday.
July 31.—Examination of candidates for admission ends.....	Wednesday.
Sep. 20.—Examination of candidates for admission begins.....	Friday.
Sep. 29.—Examination of candidates for admission ends.....	Monday.
Oct. 1.—Winter term begins .....	Tuesday.



## COURSE OF INSTRUCTION.

The studies which shall be pursued and the instruction which shall be given at the Naval Academy are comprised under the following departments and branches:

FIRST DEPARTMENT—PRACTICAL SEAMANSHIP, NAVAL GUNNERY, AND NAVAL AND INFANTRY TACTICS.

*First branch—Practical Seamanship.*—Mode of docking and undocking vessels, and of heaving them down for examination and repair; preparations for, and stowage of, ballast, water, provisions, ammunition, sails, and other stores; getting on board and fitting in place masts, yards, rigging, sails, armament, boats, and all other articles of equipment, and arrangements for removing the same when a ship is to be dismantled; berthing the crew, and stationing the ship's company for various duties in working ship; unmooring ship; getting under way; anchoring and mooring; mode of using springs in the different cases to which they may be advantageously applied; keeping a ship from fouling her anchor; clearing hawse; practical use of the lead and of the helm; steering, tacking, wearing; making and shortening sail in different kinds of weather, and in different situations; backing and filling in a tideway; warping; heaving to and preserving relative position with other vessels when lying to; chasing to windward and to leeward; closing with other vessels soonest, or avoiding them for the greatest length of time; towing one or more vessels, under all circumstances of weather, when towing is practicable; management of vessels and boats to save men who have fallen overboard, or to rescue persons from vessels at sea, when the sea is rough and dangerous; management of a vessel on her beam ends; also, when one or more masts are lost in a gale or in action; and when rudder is lost, or in danger from leaks in a gale at sea, or in imminent danger of soon foundering, or on fire at sea or in port; rules for avoiding collisions.

*Second branch—Theory and Practice of Gunnery—Practical Naval Gunnery.*—The nomenclature of different parts of ship's guns, and of the different carriages which are used in the navy; and also the several uses, and the names of all articles belonging to or used with guns and carriages in action; component parts of gunpowder and mode of manufacture, and different means by which its strength and other qualities are or may be ascertained; mode of inspecting and proving guns, shot, and shells, for their reception from the makers; windage; manner of loading, fuizing, and boxing shells, and of unloading them; testing quality and regulating length of fuzes; arrangement of ships' magazines, shell and shot rooms; dimensions of cartridge-bags, and mode of making them; weight of charges of powder for different calibres and distances; manner of fitting and using locks and tangent and dispart sights; necessity for guarding powder, shells, fuzes, and all articles of which gunpowder forms a part, from moisture as well as from fire; preparation of a ship for action; stations and duties of men at guns of different calibres, in the different divisions, when preparing for quarters or action; exercise of the guns, and all the duties of those stationed at them in action; modes of ascertaining distances from vessels and other objects at sea; advantages of direct and of ricochet firing under different circumstances; ranges of different projectiles from different calibres and classes of guns; different modes of taking guns on board and sending them from vessels; of mounting and dismounting and transporting them; shifting carriages, breechings, and trucks; securing guns in heavy gales; managing and securing a gun that has got loose from breeching and tackles; means of gaining greater



safe elevation and depression than carriages ordinarily afford; injurious effects of double shooting upon the recoil and safety of the gun, and upon the projectiles, as to the accuracy of their direction, and the extent of their range and penetration; arrangements for boarding and repelling boarders; different calls and signals used in action.

Furthermore, the complete use of boat and field guns; their nomenclature, weight, calibres, character, and construction, including the carriages with which they are used for boat and shore service; preparation of boats for their use; exercise when used in boats and when on shore; embarking them in boats from vessels; equipment for service against merchantmen's boats, or for shore service; mode of landing and embarking from the shore; construction and preparation, for immediate use, of the shrapnell and other shells, and of grape, and the regulation of the length of fuzes; adaptation of the different kinds of projectile for service according to distance, cover, and character of the objects of attack; returning armament and equipments to the vessel, and disposition to be made of them on so doing.

*Theory of Gunnery.*—Review of laws of motion, of projectiles in vacuo, and in the atmosphere; initial, remaining, and final velocities, and the methods of determining their values; the effects on them by variations of charge, windage, and weight of projectiles; forces of deviation, arising from the motion of rotation and eccentricity of projectiles, from inclination of the axis of the trunnions, and from other causes; examination of the several systems or modes of pointing; tangent sights, and determination of their values; penetration and shock of projectiles, when used against wood, earth, or stone, and with direct and ricochet fire; recoil, and how affected by preponderance, and position of trunnions in relation to axis of the gun.

*Third branch—Naval Tactics.*—The different orders to be observed for battle, and for other purposes; modes of forming such orders; of changing from one order to another; of reforming orders when disturbed by changes of wind; of interchanging and changing the position of different squadrons or divisions forming parts of a fleet; advantages of the different prescribed orders for general or special service; the leading objects to be kept in view in the arrangement of vessels of different strength or force for lines of battle, and in determining upon the manner of making or receiving an attack at sea and at anchor; examination of the best accounts of fleet actions; consideration of the advantages or defects of the plans of attack and defence, and of the execution of the details by the commanders of squadrons and vessels; mode of communication by signals, embracing the naval code, the army code, and the commercial code.

*Fourth branch—Infantry Tactics.*—Organization and formation of squad, company, and battalion; facing and wheeling; marching in line and by flank, and filing; manual of small-arms; firing; charging; forming column in mass at half and at full distance, and reforming into line; extension and closing of column; column of route; reducing and increasing front; passage of defiles; advancing and retreating by flank, centre, and in line; passage of obstacles; changes of front; forming and reducing square; exercise as skirmishers.

*Fifth branch—Naval Artillery.*—School of the piece; school of the battery; order in column, line, and battery; marching in column, by a flank; oblique march; change direction; to form line faced to the rear, to the right or left; to break into column to the front, to the rear, to the right or left, etc.; to form double column; to change front; firings; passage of obstacles; passing defiles; parade for review and inspection.

*Sixth branch—The Art of Defence.*—Fencing, small and broad sword; boxing and swimming.

## SECOND DEPARTMENT—MATHEMATICS.

*First branch—A Review of Arithmetic.*—The principles and practice of operations in whole numbers and in vulgar and decimal fractions; proportions; computation of percentage and interest; involution and evolution of numbers.

*Algebra.*—Fundamental operations; reduction and solution of equations of the first and second degrees; reduction and transformation of fractional and surd quantities; proportions and progressions; summation of series; nature and construction of logarithms.

*Second branch—Geometry.*—Plane and solid.

*Third branch—Trigonometry.*—Analytical investigation of trigonometrical formulas, and their application to the solution of all the cases in plane and spherical trigonometry; the construction and use of trigonometrical tables.

*Fourth branch.—Application of Algebra and Trigonometry* to the mensuration of planes and solids.

*Fifth branch—Descriptive Geometry.*—(The graphic illustration and solution of problems in solid geometry, and the application of this method, particularly to) the projections of the sphere.

*Sixth branch—Analytical Geometry.*—Construction of algebraic expressions; solution of determinate problems; equations of the right line, plane and conic sections; [discussion of the general equations of the second degree, involving two or three variables; determination of loci; principal problems relating to the cylinder, cone, sphere, and spheroids.]

*Seventh branch—[Differential and Integral Calculus.]*—Its principles and its application to maxima and minima, and the simpler problems relating to curves.]

### THIRD DEPARTMENT—STEAM ENGINEERY.

*First branch—Heat.*—Conditions of heat; characteristics of heat; theories of heat, ancient and modern; sources of heat, conduction, radiation, and convection; specific heat; sensible and insensible caloric; effects of heat; instruments used for the measurement of heat; thermodynamics.

*Second branch—Chemistry.*—Chemical physics; general principles of chemical philosophy; principal elements and their compounds, especially as illustrating combustion, corrosion, the metals, analysis of fuels, water, sea water, boiler scale, lubricating matter, and illuminating oils.

*Third branch—Steam.*—Physical properties of water; methods of forming steam, measure of steam by atmospheres and mercurial column; steam as distinguished from other elastic fluids; saturated steam; superheated steam; boiling points of salt and fresh water under different indicated barometric pressures; theories and forms of instruments used for determining steam pressures; theory of the expansion of steam, and its practical modifications as determined experimentally; ~~historic outline of the application of steam as a motor.~~

*Fourth branch—Marine Steam Boilers.*—General principles of marine steam boilers; peculiarities of different types; practical details; methods of generating steam; regulating consumption of fuel; causes of deterioration, and method of guarding against the same; calculations of the strength of marine boilers, and practical determination of the same *after construction*; use of boiler instruments and appurtenances; practical exercises in fire-room, and with tools used in repairing boilers at sea; physical properties of different kinds of fuel, and their comparative values for peace and war; stowage and preservation of fuel on board naval steamers; ventilation, and precautions against spontaneous combustion.

*Fifth branch—Marine Steam Engines.*—General theory of the steam engine, condensing and non-condensing; elementary parts of motive machinery; peculiarities of different types for marine propulsion; practical details, their derangements and methods of rectification; advantages and disadvantages of jet and surface condensation; various forms of jet and surface condensers used for marine purposes; air, feed, and bilge pumps, their derangement and rectification; the setting and adjusting of steam and expansion valves; practical details of shafting, and methods of supporting the same; general principles of screw propellers and paddle-wheels; practical details and efficiency of different types; methods of coupling, adjusting, and hoisting screw propellers; calculations of speed of steamers, and economic application of steam power and fuel for marine propulsion; general calculations of strength of detail parts of marine machinery *after construction*; the taking and interpretation of indicator diagrams; theory and practical application of instruments used to determine efficiency of marine machinery when in operation; practical exercises in operating and adjusting marine engines; general routine of engine-room duty at sea and in port; practical exercises with tools used for repairing steam machinery at sea; practical exercises in machine shop and smithery.

*Sixth branch—Iron Ship Construction.*—General outlines of iron ship construction; kind and form of materials used; methods of setting and securing angle irons and plates; riveting, advantages and disadvantages of different methods; the setting and securing of iron plates, forming cross-floors, kelsons, beams, and other supports; general instructions for the repairing and preservation of iron steamers, with such tools as may be available on board naval steamers.

*Seventh branch—Descriptive Geometry and Mechanical Drawing.*—Use of mathematical instruments; application of descriptive geometry to graphic illustrations of the elementary parts of marine machinery; general instructions in tinting, line, and India-ink shading.

#### FOURTH DEPARTMENT—ASTRONOMY, NAVIGATION, AND SURVEYING.

*First branch—Astronomy.*—Descriptive and physical astronomy; description of the solar system; figure and magnitude of the earth, its motions and consequent changes of seasons; length of day and night; trade and periodical winds; nature and effects of parallax, refraction, dip of the horizon, precession, nutation, and aberration; theory of gravitation; Kepler's laws; explanation of the apparent motions of the sun, moon, planets, and comets, and the principles upon which the determination of their orbits depends; the moon's motions and phases; general theory of the tides; theory of eclipses; general description of the stars, and their distribution in space; measures of time; equation of time.

*Second branch—Practical Astronomy.*—Including use of astronomical instruments in determining the positions of celestial objects, and terrestrial latitudes and longitudes; optical principles involved in the construction of astronomical instruments, and in the theory of astronomical refraction. [Calculation of eclipses and occultations.]

*Third branch—Navigation.*—Sailing by compass; sailing on a great circle; various methods for finding a ship's place; construction and use of charts; principles and use of the sextant and circle of reflection, and application of the glass prism to these instruments; the artificial horizon; the azimuth compass; methods of ascertaining the errors of the compass, produced by local attraction on ship-board; the log, and other instruments for determining a ship's rate of sailing; sounding instruments; nature and use of the Nautical Almanac; relations of time under different meridians; computation of altitudes and azimuths of celestial objects; finding, by means of amplitudes and azimuths, the variations of the compass; finding the latitude by meridian observations of the sun, moon, planets, and stars; by observations near the meridian, by single altitudes at a given time, and by two altitudes of the same or different objects; finding the longitude by the chronometer; by lunar distances and by altitudes of the moon; Sumner's method of finding a line of position, and determining the ship's place by two such lines; rating a chronometer on shore by single altitudes, and by equal altitudes; and finding its error at sea by series of lunar observations. Theory of the various problems of navigation and nautical astronomy, and the application of spherical trigonometry to their solution; [consideration of the true figure of the earth, and the corrections in nautical problems depending upon it.]

*Fourth branch—Surveying.*—Its principles and practice; measurement of heights and distances; levelling; trigonometrical surveying; hydrographical surveying; direct measurement of a base line; measurement by sound; running lines of soundings; reduction for tides; survey of a harbor or river; fixing the position of shoals, etc.; running survey of a coast; [geodetic corrections in extended surveys;] application of astronomical observations for azimuth, latitude, and longitude.

#### FIFTH DEPARTMENT—NATURAL AND EXPERIMENTAL PHILOSOPHY.

*First branch—Mechanics of Solids.*—Forces and equilibrium; composition and resolution of forces; uniform and varied motion; motion of projectiles in vacuo, and in a resisting medium; centre of gravity; equilibrium of a system of bodies; motion of translation of a body or system; motion and equilibrium about an axis; central forces; falling bodies; pendulum and ballistic pendulum; laws of the planetary motions; effect of friction and adhesion, and of stiffness of cordage; mechanical powers; collision of bodies.



*Second branch—Mechanics of Liquids.*—Mechanical properties of fluids; laws of equilibrium and pressure; flotation of bodies; stability and oscillation of floating bodies; specific gravity; [motion of liquids.]

*Third branch—Mechanics of Aëriiform Fluids.*—Air-pump; weight and pressure of the atmosphere; laws of pressure; density and temperature; barometer; pumps; syphon; motion of elastic fluids.

*Fourth branch—Acoustics.*—Theory of waves in general; velocity of sound in different media; [molecular displacement; interference of waves;] reflection and echo; speaking and hearing trumpets; [vibrations of strings, of columns of air, and of plates and bells; communication of vibrations.]

*Fifth branch—Optics.*—General properties of light; catoptrics; dioptrics; chromatics; vision; optical instruments; [physical optics.]

*Sixth branch—Electricity.*—Statical electricity; voltaic electricity; magnetism; electro-magnetism: thermo-electricity.

#### SIXTH DEPARTMENT—ETHICS AND ENGLISH STUDIES.

*First branch—English Grammar.*—Orthography; etymology; the analysis and synthesis of sentences; idioms; punctuation.

*Second branch—Descriptive Geography.*—Knowledge of the land and water surface; the grand divisions of the earth, and their relative situation; extent and boundaries of the several countries in each of the grand divisions; their natural productions; their commerce, manufactures, and governments; their naval and military strength. The use of globes and maps.

*Third branch—Physical Geography.*—The form and motions of the earth; the seasons and climates; the distribution of land and water; mountain ranges; declivities and basins; desert and lake zones; river systems; the currents of the ocean; geographical distribution of plants and animals; influence of physical causes on man.

*Fourth branch—Outlines of History.*—Ancient and modern; in the latter, mainly that of America, England, France, and Spain, during the last three centuries; written biographical and historical exercises.

*Fifth branch—Rhetoric.*—Verbal criticism; the principles of taste, and their application; original compositions.

*Sixth branch—Political Science.*—A review of the origin and structure of the federal government of the United States of America; its constitutional law; the acts of Congress for the better government of the navy; the law of nations generally; the rights and duties of nations in peace and in war.

#### SEVENTH DEPARTMENT—FRENCH.

Reading and writing the French language correctly; exercises in speaking it.

#### EIGHTH DEPARTMENT—SPANISH.

Reading and writing the Spanish language correctly; exercises in speaking it.

#### NINTH DEPARTMENT—DRAWING.

Right-line drawing, sketching, and perspective; topographical and chart drawing.

The foregoing studies shall be distributed into four annual courses, and the midshipmen shall be arranged in four classes, each class pursuing one of these courses.

U. S. NAVAL ACADEMY.  
PROGRAMME OF STUDIES DURING THE ACADEMIC YEAR.

First Term, October 1 to February 1; Second Term, February 1 to June 1. Three Recitations daily, except Saturday, marked (1.) (2.) (3.) (1.)—Between 8 a. m. and 10 a. m. (2.)—Between 10½ a. m. and 12½ p. m. (3.)—Between 2 p. m. and 4 p. m. Practical Exercises on Saturday after the first period; after the third on other days. Semi-annual Examination to be held between the 15th of January and the 15th of February. Annual Examination commences on the 1st of June.

FOURTH CLASS—FIRST YEAR.			DEPARTMENT.		RECITATIONS OR EXERCISES.		SUBJECTS FOR EACH ACADEMIC TERM.	
			Term.	Weekly Recitations.				
Mathematics.	First.			[M. Tu. W. Th. F.] (2.)			Arithmetic, (Algebra begun.)	
	Second.			[M. Tu. W. Th. F.] (2.)			Algebra, (Geometry begun.)	
Ethics and English Studies.	First.			[M. Tu. W. Th. F.] (1), [M. W. F.] (3.)			English Grammar and Geography.	
	Second.			[M. Tu. W. Th. F.] (1), [M. W. F.] (3.)			English Grammar, History, and Composition.	
Drawing.	First.			[Tu. Th.] (3), [S.] (1.)	}		Sketching.	
	Second.			[Tu. Th.] (3), [S.] (1.)				

## SUBJECTS FOR EACH ACADEMIC TERM.

DEPARTMENT.	RECITATIONS OR EXERCISES.		SUBJECTS FOR EACH ACADEMIC TERM.
	Term.	Weekly Recitations.	
Scamanship.	First.	[Tu.] (2.)	Scamanship.
	Second.	[F.] (2.)	
Gunnery.	First.	[Th.] (2.)	Ordnance, { Manual, or Instructions.
	Second.	[W.] (2.)	
Mathematics.	First.	[M. Tu. W. Th. F.] (1.)	Geometry, (Trigonometry begun.) Trig., Mensuration, and Descriptive Geometry.
	Second.	[M. Tu. W. Th. F.] (1.)	
Steam Engineering.	First.	[W.] (2.) [F.] (3.)	Mechanical Drawing. Practical Exercises.
	Second.	[M. W.] (3.)	
Ethics and English Studies.	First.	[Tu. Th.] (3.) [F.] (2.)	History, { Composition. Rhetoric,
	Second.	[Tu. Th.] (3.)	
French.	First.	[M. W.] (3.) [S.] (1.)	Fasquelle's French Course.
	Second.	[M. Tu. Th.] (2.) [S.] (1.)	
Drawing.	First.	[M.] (2.)	Topographical and Hydrographical Drawing.
	Second.	[F.] (3.)	

*Programme of Studies during the Academic Year—Continued.*

SECOND CLASS—THIRD YEAR.			RECITATIONS OR EXERCISES.		SUBJECTS FOR EACH ACADEMIC TERM.
DEPARTMENT.	Term.	Weekly Recitations.			
Seamanship.	First.	[W. S.] (1.)	{ }	{ }	Seamanship.
	Second.	[Tu.] (3.)			
Gunnery.	First.	[F.] (1.)	{ }	{ }	Ordnance and Naval Gunnery. Ordnance Instructions. Naval Light Artillery.
	Second.	[Th.] (2.) [S.] (1.)			
Mathematics.	First.	[M. Tu. W. Th.] (3.)			Analytical Geometry and Calculus.
Steam Engineery.	First.	[Tu. Th.] (2.)	{ }	{ }	Heat. Practical Exercises.
	Second.	[W.] (1.) [F.] (3.)			
Astronomy and Navigation.	Second.	[M. Tu. F.] (1.) [W.] (2.) [Th.] (3.)			Astronomy and Navigation.
Natural and Experimental Philosophy.	First.	[M. Tu. Th.] (1.) [F.] (3.)	{ }	{ }	Statics, Dynamics, } Mechanics. Hydrostatics, Hydrodynamics, }
	Second.	[M. Tu. F.] (2.) [Th.] (1.)			
French.	First.	[M. W. F.] (2.)	{ }	{ }	Fasquelle's French Course. Fasquelle's Reader.
	Second.	[M. W.] (3.)			

DEPARTMENT.	RECITATIONS OR EXERCISES.		SUBJECTS FOR EACH ACADEMIC TERM.
	Term.	Weekly Recitations.	
Seamanship.	First. Second.	[M.] (2.) [Th.] (3.) [W.] (1.) [S.] (1.)	Seamanship and Naval Tactics. Squadron Tactics under Steam.
Gunnery.	First. Second.	[W.] (2.) [S.] (1.) [Tu.] (1.) [F.] (2.)	Ordnance and Naval Gunnery. Ordnance Instructions. Field Fortifications.
Steam Engineering.	First. Second.	[M. W.] (3.) [M. Th.] (1.)	Chemistry. Practical Exercises.
Astronomy, Navigation, and Surveying.	First. Second.	[Tu. W. Th. F.] (1.) [M. W. F.] (3.) [Tu] (2.)	Theory and Practice of Navigation. Practical Astronomy. Marine Surveying.
Natural and Experimental Philosophy.	First. Second.	[Tu. Th. F.] (2.) [W.] (2.)	Acoustics. Optics. Electricity and Magnetism.
Ethics and English Studies.	Second.	[M. Th.] (2.)	Acts for the Government of the Navy. Constitution of the United States. International Law, (Kent.)
French and Spanish.	First. Second.	[M.] (1.) [Tu. F.] (3.) [Tu. Th.] (3.) [F.] (1.)	Fasquelle's French Course and Reader. Roget's Manuscript, (Ollendorf's method.) Tolon's Spanish Reader.



# OFFICERS AND MIDSHIPMEN

ATTACHED TO THE

PRACTICE SHIPS "MACEDONIAN" AND "SAVANNAH," STEAMERS "SACO," "WINNEPEG,"  
AND "MARBLEHEAD," AND SCHOONER "AMERICA"—SUMMER CRUISE, 1866.

Commander S. B. LUCE, *Commanding the Division.*

## SLOOP "MACEDONIAN."

*Lieut. Commanders*—T. O. Selfridge, E. P. Lull, R. F. Bradford, T. F. Kane, and R. S. McCook. *Passed Assistant Surgeon*—G. H. Cooke. *Paymaster*—T. C. Masten. *Chaplain*—G. W. Smith. *Captain's Clerk*—Francis Hamilton. *Paymaster's Clerk*—Simon Newton. *Boatswain*—A. M. Pomeroy. *Gunner*—A. F. Thompson. *Carpenter*—J. J. Owen. *Sailmaker*—J. A. Birdsall.

*Midshipmen*—Ackley, C. A. Adams, Ames, Baldy, Barnes, Barnett, Barry, Bassett, Bates, Beehler, Berryman, Berwind, Bleecker, Bixler, Bowman, Boyd, Bradbury, Briggs, Bryson, Buckingham, Bulkeley, Burwell, Buskirk, Carlin, Carmody, Clarke, Cist, Coffin, Collins, Comstock, Copp, Cornwell, Cowles, Craven, M. S. Day, W. P. Day, Dayton, Doty, Drake, Dunlap, Elliot, W. L. Field, Fletcher, R. L. Fowler, Frailey, Franklin, Geutsch, Graydon, Hagenman, M. E. Hall, Hanus, Harber, Harmon, Heald, House, Houston, F. B. Hull, Hunker, Hunter, Ingersoll, Irvine, Jacob, Jarboe, Jerome, W. Kellogg, Kennedy, Kilburn, Little, Lyon, Manney, Marx, N. E. Mason, May, F. McCormick, McIlvaine, McLean, J. W. Miller, R. Mitchell, W. J. Moore, R. W. Morgan, Moser, Moulton, Nicholson, J. A. H. Nickels, K. Niles, N. E. Niles, G. A. Norris, Norton, Osborn, Palmer, Parker, Parsons, Peck, C. P. Perkins, H. Perkins, T. S. Phelps, Pillsbury, Porter, Potter, H. M. Richards, Richmond, Robinson, Rodd, J. A. Rodgers, R. P. Rodgers, Root, Rudd, Rush, Schnur, W. G. Scott, Selfridge, Shaw, Seymour, C. M. Shepherd, Singer, D. S. Smith, Stevens, Stickney, Stinson, Thompson, Todd, Tremain, Tuller, E. P. Turner, W. H. Turner, Tyler, Upton, Utley, Wadhams, J. M. Wainwright, G. C. Wallace, Welch, Welles, Whelen, Wilcox, F. Winslow, Wise, Woart, W. M. Wood, Wyckoff, and York—141.

## SLOOP "SAVANNAH."

*Lieut. Commanders*—John Watters, John S. Barnes, A. F. Crosman, Geo. A. Bigelow, A. P. Cooke, and R. R. Wallace. *A. A. Paymaster*—H. L. Jones. *Passed Assistant Surgeon*—J. Hugg. *Boatswain*—L. K. Ellis. *Carpenter*—J. D. Pinner. *Sailmaker*—George Thomas. *Assistant Sword Master*—A. J. Corbesier. *Captain's Clerk*—Henry Seager. *Paymaster's Clerk*—F. H. Evans.

*Midshipmen*—Abbott, G. K. Adams, J. D. Adams, Arthur, Berry, Blair, Blake, Blanchard, Birney, Blochinger, T. D. Bolles, Bower, Breck, C. R. Brown, R. M. G. Brown, Brownlee, Carpenter, Chipp, Church, Clover, Cogswell, Colahan, Colby, Colvocoresses, Comly, Coster, F. Courtis, Cowgill, Crumbaugh, C. K. Curtis, Cuts, Davenport, E. M. Day, De Blois, Delahay, Dennison, Derby, Dillingham, Driggs, Etting, Everett, E. A. Field, C. G. Fisher, Forée, Forse, A. B. Fowler, Garst, Garvin, Gheen, Goodwin, Griffen, Hadden, Handy, Harris, Hawley, Henshaw, Hobson, Hoffman, O. P. Howe, F. A. Howes, Hutchins, Hyde, Jasper, Kelly, Kimball, King, Lee, Legg, Leutze, Lillie, Low, Macfarlane, Mackenzie, Mansfield, T. B. M. Mason, E. McCormack, McElroy, McGunnegle, G. J. Mitchell, Monahan, E. K. Moore, Muhlenburg, Nazro, Negley, F. W. Nichols, J. A. Norris, Noyes, Osterhaus, F. H. Paine, S. C. Paine, Patch, A. G. Paul, F. W. Perkins, Prime, Reeder, Reisinger, B. S. Richards, Richberg, Richman, Roosevelt, Ruschenberger, Sharrer, Speyers, Sprague, Soley, Starr, D. A. Stewart, Stockton, Stone, Strong, D. D. V. Stuart, Sturdy, Sullivan, Sweet, F. M. Symonds, Tallman, Taunt, Terrell, Thackara, Totten, N. Turnbull, Uhler, Van de Carr, E. W. Very, S. W. Very, J. P. Wallis, Watts, West, Wheeler, Wiley, J. C. Wilson, Wing, H. Winslow, Wright and Zabriskie—135.

## STEAMER "SACO."

*Lieut. Commanders*—B. B. Taylor and E. O. Mathews. *Assistant Surgeon*—J. S. Ramsay. *A. A. Paymaster*—J. W. Fairfield. *First Assistant Engineer*—T. M. Dukehart. *Second Assistant Engineer*—H. C. Beckwith. *Third Assistant Engineers*—A. C. Engard and H. L. Slosson.

*Midshipmen*—Belknap, Bicknell, Clay, Cowie, Davis, Davol, Hanford, Morse, Phelan, Swift, Swinburne, Tilley, Williams, H. R. Wilson, and Wisner—15.

## STEAMER "WINNIPEG."

*Lieut. Commanders*—O. F. Stanton, M. Sicard, and N. H. Farquhar. *Passed Assistant Surgeon*—D. McMurtrie. *A. A. Paymaster*—E. Sherwin. *First Assistant Engineer*—J. T. Hawkins. *Second Assistant Engineer*—W. H. De Hart. *Third Assistant Engineers*—W. A. Mintzer and W. C. F. Reichenbach. *Mates*—J. Howatt and L. Burns.

*Midshipmen*—Alibone, C. F. Arnold, C. H. Arnold, Benjamin, Berry, M. Bolles, Bridge, C. E. Brown, Carter, Christopher, Cunningham, Delano, Eaton, Gill, Gilmore, Greenleaf, Housel, J. C. Hull, F. G. Hyde, Jones, Knox, Lisle, Little, Logan, Maynard, McClellan, McMechan, Meigs, Merrell, J. M. Miller, Pendleton, Phillips, E. W. Remy, Roben, Ross, Sebree, S. A. Simons, H. Smith, Southworth, Sperry, Talbot, Taussig, L. D. Webster, G. M. Williams, E. P. Wood, Woodman, and Yates—47.

## STEAMER "MARBLEHEAD."

*Lieut. Commanders*—R. W. Meade and S. D. Greene. *Assistant Surgeon*—G. A. Bright. *A. A. Paymaster*—W. W. Woodhull. *Second Assistant Engineers*—B. C. Gowing, C. H. Greenleaf, and E. T. Philippi. *Third Assistant Engineer*—J. M. Clark. *Captain's Clerk*—A. S. Bryan.

*Midshipmen*—Clarkson, Couden, Crocker, Delehanty, English, Farrington, M. B. Field, Gillpatrick, Hempill, Henricks, Jaques, Judd, Mecker, W. M. Paul, Rich, Taft, and Walker—17.

## SCHOONER "AMERICA."

*Midshipman* S. N. Kane, *Commanding*. *Midshipmen*—McKee, Waterman, Emory, and F. Turnbull—5.

To afford all the classes the benefit of instruction in steam engineery, transfers, in turn, were made from the sailing ships to the steamers.

# OFFICERS, MIDSHIPMEN, AND CADET ENGINEERS,

QUARTERED IN THE

## SCHOOL-SHIP "CONSTITUTION."

### SCHOOL-SHIP "CONSTITUTION."—(Second rate.)

Lieut. Com'r THOMAS H. EASTMAN, *in charge*.

Lieut. Com'rs—R. R. Wallace, B. P. Smith, and E. T. Woodward. *Captain's Clerk*—J. B. Girault. *Paymaster's Clerk*—W. W. Harris. *Mates*—Joseph Rodgers and William Dyer.

*Midshipmen*—P. Arnold, P. L. Ashley, J. P. J. Anger, M. Backus, W. S. Baker, J. W. Barnes, G. C. Barnette, L. L. Bassford, C. J. Bates, W. M. Belcher, W. M. Berryman, C. H. Brahe, E. W. Brenen, C. Briggs, J. H. Bull, G. A. Calhoun, J. L. Carter, G. D. Clark, W. P. Clason, J. B. Collins, W. P. Conway, A. A. Crane, H. Crosby, E. K. Culver, J. W. Danenhower, W. B. W. Darley, M. C. Dimock, L. W. Dousman, G. L. Eyer, F. Ellery, jr., C. F. Emmerick, Z. T. Esmond, C. A. Eycleshimer, H. Fickbohm, P. V. Field, C. A. Foster, G. Foster, W. Fraser, J. H. Fraunces, J. Freeman, W. S. French, C. D. Galloway, J. M. Gore, S. Gosling, S. L. Graham, H. L. Green, H. Hancock, F. G. Hargous, H. Harris, J. L. Hart, L. C. Heilner, L. Heiskell, W. S. Holliday, G. W. Holman, G. B. Hoyt, J. Hubbard, E. M. Hughes, J. J. Hunker, jr., M. Jacoby, J. Jarnagin, J. W. Jordan, L. P. Jonett, F. A. Kauffman, J. D. Keeler, Chas. E. Keyes, H. Kirkpatrick, Geo. Kronmiller, C. P. Kunhardt, B. Leach, F. H. Lefavor, D. S. Little, W. St. C. Long, L. Ludlow, C. H. Lyman, G. Lyon, jr., W. H. E. Masser, W. G. Mayer, A. McCrackin, H. McCrea, McDonald, G. W. Mentz, G. A. Merriam, W. G. Miller, A. B. Milliman, J. B. Milton, J. B. Murdock, E. R. Norton, J. P. Norton, H. C. Nye, W. H. Oxley, R. G. Peck, H. R. Pennington, J. W. Perkins, H. Platt, J. A. Post, W. P. Ray, L. L. Reamey, C. P. Rees, W. Remsen, jr., C. S. Richardson, H. O. Rittenhouse, E. R. Root, G. C. Salter, G. Sanderson, N. Sargent, J. H. Sawyers, H. W. Shaefer, M. K. Schwenck, F. Scott, G. L. Tiden, G. N. Seymour, E. L. Shaffer, B. M. Shaffner, E. C. Soule, J. R. Spears, T. C. Spencer, G. M. Stump, H. Talbot, B. C. Tillinghast, H. R. Tyler, D. Van Horn, F. B. Veazie, A. F. Vedder, C. E. Vreeland, C. P. Warden, K. Weare, D. Whipple, H. S. Williams, D. L. Wilson, T. C. Wood, and M. F. Wright—131.

*Cadet Engineers*—G. D. McCarty and J. P. Wilson—2.

Lieut. Com'r JOHN WATERS, *in charge of ships*.

### GUNNERY SHIP "SANTEE."—(Second rate.)

Lieut. Com'r—S. P. Gillett. *Mates*—L. D. Rodocanachi, Lewis Burns, and Henry D. Ober. *Paymaster's Clerk*—C. H. Wright.

### "MACEDONIAN."—(Second rate.)

*Paymaster*—W. L. Darling. *Paymaster's Clerk*—H. Crease. *Boatswain*—A. Pomeroy. *Carpenter*—Jno. J. Fern. *Sailmaker*—J. A. Birdsall.

### "SAVANNAH."—(Second rate.)

*Paymaster*—R. H. Douglass. *Passed Asst. Surgeon*—J. Hugg. *Captain's Clerk*—Harry Seager. *Paymaster's Clerk*—F. H. Evans. *Boatswain*—L. K. Ellis. *Sailmaker*—George Thomas.

### "MARION."—(Fourth rate.)

*Paymaster*—G. W. Beaman. *Act'g Boatswain*—J. Hall. *Mates*—Robert Silver, A. M. Rivers, J. E. Sweeney and J. F. Hutchings. *Captain's Clerk*—Francis F. Quinn.

First Assistant Engineer GEO. J. BARRY, *in charge of Machinery afloat*.

### "TONAWANDA," IRON-CLAD.—(Third rate.)

*Mates*—J. Quevado and John Nickerson. *Second Asst. Engineer*—A. C. Beckwith. *Third Asst. Engineer*—H. Harmony.

### "MERCURY."—(Steam Tug.)

*Mate in charge*—John Brown. *Third Asst. Engineer*—R. W. Milligan.

### "PHLOX."—(Steam Tender.)

*Mate in charge*—B. G. Perry. *Third Asst. Engineer*—J. G. Littig.

### "AMERICA."—(Schooner.)

### WYANDANK.—(Fourth rate.)

NAVY DEPARTMENT;

*Washington, January 31, 1863.*

Application having been made on your behalf for admission to the United States Naval Academy, you will find, in the enclosed permit, a statement of the requisite qualifications for admission. Should you, on examination, show a fair proficiency in the branches of knowledge there indicated, and comply with the other conditions, you will be received as a midshipman, and become thenceforward an officer of the Navy of the United States. So great is the importance of this step, not merely to yourself, but to the public, that the Secretary deems it a fit occasion to call your attention to the obligations which you assume in this new and honorable character.

You will bear in mind, then, that the government, in receiving you into its Naval Academy, undertakes to furnish you, at the public expense, with a superior scientific and practical education, under the instruction of thoroughly accomplished teachers. This is a privilege which, in the nature of things, can fall to the lot of but a small portion of the youth of the country, and it is one which, in all probability, many of the pupils of the academy would otherwise not enjoy. It is, however, but the smallest part of what the government does for you. In admitting you to the academy, it secures to you an adequate provision, in a most honorable calling, for your future support, of which, while you live, nothing but incapacity or misconduct can deprive you. This great benefit, however, is not conferred on the pupils of the Naval Academy from any favoritism to them, but from great public motives. In the present state of the world, the safety and honor of a country require that a portion of the young men should be regularly educated and trained in the science and art of war. This is necessary in both arms of the service, but peculiarly so in the navy. There are several instances in the land service of brilliant success on the part of chieftains who first entered the field in middle life; but the instances are much less frequent of distinguished naval commanders who did not commence their preparation in youth. This is the important reason for which the country has called the pupils of the academy from their homes, and conferred upon them the above-mentioned enviable privileges.

You must therefore bear constantly in mind that these privileges, great as they are, are trusts for which the country will hold you strictly accountable. Henceforward your time is not your own; it belongs to the public. The government takes you into its service in your youth, because your preparation for the active duties of your career cannot be safely delayed to more advanced years. So much scientific, mechanical and practical knowledge must be acquired, that nothing short of diligent application, commenced in early life, will enable the faithful officer to obtain a thorough mastery of his profession. It is a great error to suppose that nothing is necessary to make a good officer but the physical courage required in time of action, and which is to some extent a natural gift. This of course is indispensable, but it is one only of the qualifications for the service. Beginning at the foundation, the thoroughbred naval officer must know something of ship-building, alike in wood and iron; not that he needs the knowledge of the naval architect, but he must be able to judge of the work both of construction and repair, and be competent to provide a prompt remedy for disasters at sea. He must be intimately acquainted with the rig, equipment, and handling of his vessel; must understand the navigation of the ocean by sails and steam; be familiar with the great currents of the sea and of the atmosphere; and have an accurate knowledge of the principal ports and harbors in every quarter of the globe. He must be thoroughly versed in every variety of naval armament, ordnance, and ammunition, a field of knowledge of which the limits have been greatly enlarged of late years, and in which still further advances are in rapid progress. Thus prepared in the lower branches of his



profession, he must, by experience gradually acquired on a small scale, and by diligent study of the lives and exploits of illustrious commanders, learn, as far as it can be learned in this way, not only how single ships are fought, but how great fleets are manœuvred and led to glorious victories.

To attain these great ends, abstract science and mechanical art furnish but the lower instruments. Moral influences must lend their all-powerful aid. Beginning with the arduous task of self-government, of which the habit must be acquired by cheerful conformity to the discipline of the academy and the subordination of the service, the accomplished officer must learn the great art of governing others over whom he may be placed in the public service. He must learn the lesson of command in the school of obedience. A fractious and intractable pupil, if he succeed in obtaining promotion, will be nearly sure to make an arbitrary and tyrannical officer. Treated, as you will be, with parental kindness at the academy, nothing that you will learn there is more important than the art of gaining the confidence and winning the affection of those whom you may hereafter command. The officer who acquires the good will of his men by kind words and deeds, will be far more successful in enforcing the necessarily strict discipline of a man-of-war than one who deals in rough language, oaths, and harsh treatment. It is related of a distinguished British naval officer, (Lord Collingwood,) that the most refractory seamen were transferred to his vessel from all the other ships in the fleet, not because his discipline was the most severe, but because it was at once the most gentle and the most efficacious.

The duties thus enumerated, numerous and important as they are, are not all that devolve on the naval officer. In addition to the skill appropriately belonging to his profession, it is necessary that his manners should be marked with courtesy and refinement, and that his mind should be amply stored with useful knowledge. In the service of a great naval power he will, on foreign stations, often be called upon to appear as the representative of his government. He will be brought into contact with the naval commanders of other countries, and sometimes with personages of the highest rank and consequence. On these occasions, the good name and consideration of his country are, to some extent, in his hands. Still more, he will sometimes be obliged, with little opportunity for deliberation, and no time to consult his government, to decide important questions of the law of nations. It is evident that the most momentous consequences may flow from the degree of intelligence with which he may act on such occasions.

These are the reasons for which the country calls a selected number of her children, in the morning of their days, to enter her naval service. The common parent of all, she bestows upon them these enviable advantages in order to fit them for the various and arduous duties to which I have alluded. The young officer, accordingly, when he enters the Naval Academy, becomes the pledged servant of the country, of the whole country, bound by the strongest ties of duty and gratitude to serve her with fidelity and zeal. He is henceforward an officer, not of the state in which he was born, or in which he resides, but of the United States of America. He may have been born at the east or the west, the north or the south, but his allegiance is due to the Union; to the government which has educated him, which has commissioned him, and which he has solemnly sworn to defend. Wheresoever the voice of duty or lawful authority may call him, there he will cheerfully hasten to sustain the honor of his country's flag, to protect her lawful commerce, to combat her enemies. It may be his duty to risk, perhaps to sacrifice, his life, like the naval heroes who shed undying glory on the American navy in the last generation, in open war against a legitimate foe; or to follow a piratical sea-rover, meanly fitted out by foreign cupidity for the work of devastation and plunder; or to pass weary days and nights in watching the ports of rebels in arms against their country; or to launch the terrific thunders of his broadsides on their fortresses—whatever the duty may be, it will be diligently, zealously, and heroically performed.

The character of the struggle in which the government and loyal people of the country are now engaged gives a peculiar significance to these considerations; nor can the Secretary forbear to allude to the all-important services which have been rendered by the navy since the contest began. The outbreak of the rebellion found this arm of the service on a peace

establishment, its squadrons widely dispersed; some of its most important home stations situated in the seceding States, and soon seized—too often with treacherous connivance—into rebel hands. Enfeebled as the navy was by these causes, and still further by the necessary sacrifice of vessels to prevent them from falling into the hands of the enemy; compelled to call into the service, with urgent haste, a numerous fleet of vessels not constructed for warlike purposes; above all, obliged, without previous preparation, to inaugurate a novel system of armature, the navy has performed its hurculean labors with an energy and success that reflect the highest credit on all belonging to it, officers and men, and which the Secretary takes great pleasure in holding up to the emulation of the young men at the academy, who will hereafter be called upon to sustain the well-earned reputation of this branch of the service.

Especially let the young men, now entering the navy, impress upon their minds, as the great lesson of the day, that of all the duties of a faithful officer, the first and foremost is that of fidelity to his flag—the sacred symbol of the government which has trained him to its defence, and confided its honor to his keeping. Let him, as he sets his foot on the threshold of the academy, form the firm resolve, living or dying, to be faithful to that great trust. Let him, in advance, steel his mind against the wretched sophistry, under the influence of which a portion of the naval officers in the rebellious States, (but by no means all of them,) deceived and misled, against their own better impulses, by the craft of politicians, have allowed themselves to raise a parricidal arm against their country, employing the fruits of the education received at its expense, and of the experience gained in its service, in aid of an unprovoked and cruel rebellion. Before he enters on actual service, the young officer takes a solemn oath “to support, protect, and defend the Constitution of the United States against all enemies, whether domestic or foreign,” and the Secretary would earnestly impress upon the young men, on their admission to the Naval Academy, that no human power can absolve them from that obligation. The madness of the hour may cause a misguided man to forget that he has called his God so to deal with him as he shall keep or break his oath, but the time will come, even in this world, when the sin of perjury will lie heavy on his soul.

But the Secretary is confident that no one of the young gentlemen now entering the Naval Academy, or already there, will ever incur the foul reproach of betraying the flag of the Union. They will uphold it on every sea and on every shore, by every effort and at every hazard, in the storm of the elements or the storm of battle. They will live for it and fight for it; if need be, they will bleed for it. While it floats they will stand by it, and if it must sink, they will go down with it, rather than disgrace or betray it.

The Secretary forbears to enter into any particular statements as to the studies, exercises, and discipline of the academy. The intelligent officer charged with the superintendence of the institution, and who possesses the entire confidence of the department, aided by his able and efficient associates, will, from time to time, call your attention to the various details of duty; and the Secretary confidently trusts, that under their guidance you will, by the faithful improvement of your great opportunities, prepare yourself for eminent usefulness and high honor in the service of the country.

GIDEON WELLES.

## REGULATIONS

### GOVERNING

#### THE ADMISSION OF CANDIDATES INTO THE NAVAL ACADEMY.

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I. The number of midshipmen allowed at the academy is two for every member and delegate of the House of Representatives, two for the District of Columbia, ten at large, ten appointed annually from the sons of officers, etc., of the army or navy, and three selected each year from boys enlisted in the navy who have been at least one year in the service, six months of which shall have been sea service.

II. The nomination of candidates for admission from the District of Columbia, from the enlisted boys, from the sons of officers, etc., and at large, is made by the President. The nomination of candidates from any congressional district or Territory is made on the recommendation of the member or delegate, from actual residents of his district or Territory.

III. Each year, as soon after the fifth of March as possible, members and delegates will be notified, in writing, of vacancies that may exist in their districts. If such members or delegates neglect to recommend candidates by the first of July in that year, the Secretary of the Navy is required by law to fill the vacancies existing in districts actually represented in Congress.

IV. The nomination of candidates is made annually, between the fifth of March and the first of July. Candidates who receive permission will present themselves to the Superintendent of the Naval Academy between the twentieth and thirty-first of July for examination as to their qualifications for admission. Should any candidate be found physically or mentally disqualified for admission, the member or delegate from whose district he was nominated will be notified to recommend another candidate, who shall be examined between the twentieth and the thirtieth of September following.

V. No candidate will be admitted into the Naval Academy unless he shall have passed a satisfactory examination before the Academic Board, and is found (in the opinion of a medical board, to be composed of the surgeon of the Naval Academy and two other medical officers designated by the Secretary of the Navy) physically sound, well formed, and of robust constitution, and qualified to endure the arduous labors of an officer of the navy.

VI. Candidates for appointment as midshipmen must be between fourteen and eighteen years of age when examined for admission. All candidates for admission will be required to certify, *on honor*, to their precise age, to the Academic Board, previous to examination, and none will be examined who are over or under the prescribed age. They must be of good moral character, satisfactory testimonials of which, from persons in good repute in the neighborhood of their respective residences, must be presented; and testimonials from clergymen, instructors in colleges and high schools, will have special weight. They must also pass a satisfactory examination before the Academic Board in reading, writing, spelling, arithmetic, geography, and English grammar, viz: in *reading*, they must read clearly and intelligibly from any English narrative work—as, for example, Bancroft's History of the United States; in *writing* and *spelling*, they must write from dictation, in a legible hand, and spell with correctness both orally and in writing; in *arithmetic*, they will be examined in numeration and the addition, subtraction, multiplication, and division of whole numbers, and vulgar and decimal fractions, and in proportion, or the rule of three; in *geography*, they will be examined as to the leading grand divisions—the continents, oceans, and seas, the chief



mountains and rivers, and the boundaries and population of the chief nations, their government, capitals, chief cities; in *English Grammar*, they will be examined as to the parts of speech and the elementary construction of sentences, and will be required to write an original paragraph of a few sentences. The Board will judge whether the proficiency of the candidate in these branches is sufficient to qualify him to enter upon the studies of the academy.

VII. Any one of the following conditions will be sufficient to reject a candidate:

Feeble constitution; permanently impaired general health; decided cachexia; all chronic diseases, or results of injuries that would permanently impair efficiency, viz:

1. Infectious disorders.
2. Weak or disordered intellect.
3. Unnatural curvature of spine.
4. Epilepsy, or other convulsions, within five years.
5. Chronic impaired vision, or chronic disease of the organs of vision.
6. Great permanent hardness of hearing, or chronic disease of the ears.
7. Loss or decay of teeth, to such an extent as to interfere with digestion and impair health.
8. Impediment of speech, to such an extent as to impair efficiency in the performance of duty.

9. Decided indications of liability to pulmonary disease.

10. Permanent inefficiency of either of the extremities.

11. Hernia.

12. Incurable sarcocele, hydrocele, fistula, stricture, or hæmorrhoids.

13. Large varicose veins of lower limbs. Chronic ulcers.

14. Attention will also be paid to the stature of the candidate; and no one *manifestly* undersized for his age will be received into the academy. In case of doubt about the physical condition of the candidate, any marked deviation from the usual standard of height will add materially to the consideration for rejection.

15. The Board will exercise a proper discretion in the application of the above conditions to each case; rejecting no candidate who is likely to be efficient in the service, and admitting no one who is likely to prove physically inefficient.

VIII. If both these examinations result favorably, the candidate will receive an appointment as a midshipman, become an inmate of the academy, and be allowed his actual and necessary travelling expenses from his residence to the Naval Academy, and be required to sign articles by which he will bind himself to serve in the United States navy eight years (including his term of probation at the Naval Academy,) unless sooner discharged. If, on the contrary, he shall not pass both of these examinations, he will receive neither an appointment nor his travelling expenses, nor can he by law have the privilege of another examination for admission to the same class unless recommended by the board of examiners.

IX. When candidates shall have passed the required examinations, and been admitted as members of the academy, they must immediately furnish themselves with the following articles, viz:

Two navy blue uniform suits;  
One fatigue suit;  
Two navy blue uniform caps;  
One uniform overcoat;  
Six white shirts;  
Six pairs of socks;  
Four pairs of drawers;  
Six pocket handkerchiefs;  
One black silk handkerchief, or stock;  
One mattress;  
One pillow;  
One pair of blankets;

One bed cover, or spread;  
Two pairs of sheets;  
Four pillow-cases;  
Six towels;  
Two pairs of shoes or boots;  
One hair-brush;  
One tooth-brush;  
One clothes-brush;  
One coarse comb for the hair;  
One fine comb for the hair;  
One tumbler or mug; and  
One thread and needle case.

Room-mates will jointly procure, for their common use, one looking-glass, two wash-basins, one water-pail, one slop-bucket, and one broom. These articles may be obtained from the storekeeper of the academy, of good quality and at fair prices.

X. Each midshipman must, on admission, deposit with the paymaster the sum of one hundred dollars in specie or in United States notes, for which he will be credited on the books of that officer, to be expended by direction of the Superintendent for the purchase of text-books and other authorized articles besides those enumerated in the preceding article.

XI. A midshipman found deficient at any examination cannot, by law, be continued at the academy or in the service, unless upon the recommendation of the Academic Board.

XII. A midshipman who voluntarily resigns his appointment within a year of the time of his admission to the academy will be required to refund the amount paid him for travelling expenses.

XIII. A midshipman may be advanced to any class which he may be found qualified to win, either upon his admission or at any subsequent examination; and he may be graduated at any June examination at which he shall be found fully qualified to pass a graduating academic examination.

GIDEON WELLES,  
*Secretary of the Navy.*

*List of Acting Third Assistant Engineers forming a class in Steam Enginery at the Naval Academy, arranged in order of merit as determined at their examination for appointment.*

	Name.	State.	Date of admission.	AGE AT DATE OF ADMISSION.	
				Years.	Months
1	Charles D. Bray.....	Rhode Island.....	October 10, 1866	22	6
2	John B. Peck.....	Rhode Island.....	October 10, 1866	21	1
3	Francis N. Trevor.....	New York.....	October 10, 1866	22	4
4	Theron Skeel.....	New York.....	October 10, 1866	19	3
5	Herschel Main.....	District of Columbia.....	October 10, 1866	21	2
6	Frank J. Symmes.....	Massachusetts.....	October 10, 1866	19	4
7	George S. Gates.....	Massachusetts.....	October 10, 1866	21	2
8	Holland N. Stevenson.....	New York.....	October 10, 1866	22	1
9	Charles W. Rae.....	New York.....	October 10, 1866	19	3
10	John Q. A. Ford.....	New York.....	October 10, 1866	23	9
11	George H. Kearney.....	New York.....	October 10, 1866	18	6
12	Julien S. Ogden.....	New York.....	October 10, 1866	19	9
13	William S. Moore.....	Massachusetts.....	October 10, 1866	20	7
14	Jones Godfrey.....	Massachusetts.....	October 10, 1866	19	2
15	Charles F. Purdie.....	New York.....	October 10, 1866	21	0
16	Cyrus D. Poss.....	Massachusetts.....	October 10, 1866	19	7

*List of Cadet Engineers.*

	Name.	State.	Date of admission.	AGE AT DATE OF ADMISSION.	
				Years.	Months
1	George D. McCarty.....	New York.....	October 3, 1866	17	..
2	James P. Wilson.....	District of Columbia.....	October 5, 1866	15	11

## COURSE OF INSTRUCTION

FOR ENGINEER CLASS, (ACTING THIRD ASSISTANTS.)

### PROGRAMME.

*Mechanical Drawing.*—*a*, Elements; *b*, Details and Plans of Machines.

*Physics.*—*a*, Heat; *b*, Steam.

*Chemistry.*—*a*, Chemical Philosophy; *b*, Elements; *c*, Analysis—qualitative and blow pipe; *d*, Coals, Ores, and Oils—lubricating and illuminating.

*Thermo-dynamics.*—

*Machines.*—*a*, Kinematics; *b*, Theory of Machines; *c*, Prime Movers, Hydraulic Motors Steam Engines, Air Engines, Electro-Magnetic Motors; *d*, Construction of Machines; *e*, Location and Erection of Machines; *f*, Designs and Estimates for, and Reviews of Special Machines.

*Construction.*—*a*, Plans and Estimates for Boiler and Machine Shops, Foundries, Smelting Works, and Rolling Mills; *b*, Plans and Estimates for Shipways and Slips.

*Management of Machinery.*—Practical Exercises with Steam Engine and Boilers.

*Iron Ship Building.*—*a*, Designing and Construction; *b*, Inspection; *c*, Launching and Repairs.

*Practical Exercises.*—Personal Manipulations of Tools used in working woods and metals.

The Course of Instruction for *Cadet Engineers* the same as for *Midshipman*, except that Steam Enginery is to be substituted for the professional studies of the latter.

















**Annual register**

**1866-1867**

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